Bulletin 3

ASSESSMENT OF PEAT MOSS OCCURRENCES IN GUYSBOROUGH, ANTIGONISH, PICTOU, COLCHESTER AND CUMBERLAND COUNTIES, NOVA SCOTIA

Reproduced from original
PEAT MOSS PROJECT (A.R.D.A.)
unpublished reports;

Part 1 1964
Part 2 1965
Part 3 1966

D. R. Sutherland and F. S. Shea

NOVA SCOTIA DEPARTMENT OF MINES
1976

PROVINCE OF NOVA SCOTIA

DEPARTMENT OF MINES

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by

D. R. Sutherland and F. S. Shea

Halifax, Nova Scotia
1976

Hon. William Gillis, Minister

John C. Smith
Deputy Minister

F. S. Shea, Director
Mineral Resources &
Geological Services

106-04969/

PREFACE

This report provides information on a number of peat moss occurrences as found in the northeastern part of Nova Scotia. The data presented herein was gathered as a result of a pilot research project designed to assess peat moss in Nova Scotia under an A.R.D.A. agreement in 1964 and represents one of the more recent surveys on this organic material.

The results of the original survey were presented in three separate, unpublished reports, designated as Parts 1, 2 and 3. This publication combines the three survey reports under one cover, thus permitting a more efficient control and assessment of data collected from the project.

F. S. Shea, Director
Mineral Resources &
Geological Services

Halifax, N. S.
September, 1976

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GENERAL INFORMATION

PEAT BOGS

Formation and Origin

The formation of peat is dependent upon a special combination of climatic and topographical conditions. The principal factors are:

(1) an adequate supply of rainfall and surface water,

(2) growth of aquatic and moisture-loving plants,

(3) a soil or subsoil that will retain water at the surface,

(4) a sufficiently humid atmosphere to prevent too rapid evaporation,

(5) a temperature high enough to allow a profuse growth of vegetation, yet low enough to check a too rapid decay of vegetable matter.

These conditions are all found in the area of Guysborough County where the survey was carried out. There are numerous lakes that are shallow because of growing vegetation. For the most part, the bogs, as is all this area, are underlain by rock which prevents the escape of surface water. The humidity is high for most of the summer, and fog, which keeps the temperature cool, is very prevalent.

Composition

Peat in its natural state consists of approximately 90% water and 10% partly decomposed and disintegrated vegetable matter. Although many varieties of plants are found in peat bogs, the bulk of the material has been supplied by comparatively few varieties. Chief among the peat-forming plants are the sphagnum and hypnum mosses, marsh and heath plants, grasses, sedges, water plants and algae. Sometimes the roots, trunks, and leaves of trees are also found.

The plant varieties forming the successive layers of a peat bog reflect the climatic conditions and topographic features of a bog. Changing conditions during the life of the bog cause changes in the growth and composition of the plant communities, and as a result, successive layers in a peat bog may be composed of the remains of different plant communities and, therefore, possess different characteristics.

A vertical section of a peat bog will show, from the bottom, the following strata:

(1) a bed six to 12 inches thick of living sphagnum mosses, overlying six to 10 feet of unhumified dead moss, which is known as peat moss,

(2) a bed of well humified woody peat, containing partly decomposed stumps and roots,

(3) beds of reed and sedge peat, formed by the humification of reed or sedge plants, and

(4) finally, a layer of dark, jelly-like ooze, sometimes called sedimentary peat, resting on a clay or silty bottom.

There is, of course, considerable variety in the composition of different peat bogs, depending on the climatic or other condition under which they were formed, and not all bogs contain all the varieties of peat described above.

The bogs studied in this survey could generally be classed as sphagnum peat bogs with some reeds and sedges, roots and wood distributed evenly throughout.

Classification of Peats Surveyed

Peat occurs in nature in two different forms, humified peat and unhumified or fibrous peat. The humified peat is fairly homogeneous, colloidal, plastic and somewhat elastic. Unhumified peat is simply fibrous peat or peat moss.

In the areas covered during this survey, both types of moss were encountered. In the Goose Harbour Lake Area the only bog examined was found to be very highly humified at the surface. In all of the other bogs sampled, areas of humified peat were found. This will be covered in more detail later with the bog descriptions.

Generally, it can be said that the large majority of the moss found and sampled in the project area was of the umhumified type.

Properties

Sphagnum peat moss (sometimes called "white moss" or "genuine peat moss") seldom occurs in deposits in a pure state. Generally, it is intermixed with a variety of marsh plants, such as Cotton Grass, Bog Rosemary, Labrador Tea, Cranberry, Blueberry and an occasional Pitcher Plant.

The most important property of commercial sphagnum peat moss is its high water-absorbing capacity. This is due to the porosity and capillarity of the plants from which it was formed and the peculiar anatomical structure of the sphagnum plant, designed by nature for the storage of water.

Some twenty varieties of the sphagnum plant have been recognized. Their moisture-absorbing capacities vary from about 18 to 27 times the weight of the plant, as follows:

Sphagnum molluscum - 26.8 times its own weight
Sphagnum papillosum - 25.3 times its own weight
Sphagnum cymbifolium - 23.1 times its own weight
Sphagnum cuspedatum - 20.3 times its own weight
Sphagnum acutifolium - 18.6 times its own weight.

In some cases the analytical results of the samples taken during the summer of 1964 showed the moisture-absorbing capacity to be higher than those shown in the above table. This is an indication of the high quality of peat moss present in the bogs that were sampled.

USES OF PEAT

Peat moss owes its usefulness to its high absorptive capacity for liquids and gases, resistance to decomposition, low conductivity of heat, elasticity and to its deodorizing quality. It is used primarily in agriculture and industry.

Agriculture

In agriculture, peat moss is used for stable bedding, poultry litter, horticulture and market gardens. Peat moss has the requirements of a good stable litter and surpasses in quality all other materials used for that purpose since it provides for the animals a warm, clean, dry and elastic bedding, absorbs and retains excrement, and increases the fertilization value of the manure by retaining the more valuable parts thereof.

Peat moss poultry litter has been acclaimed as being of prime importance to the health and comfort of the flock. When used as bedding in the pens, the intervals between cleanings may be appreciably increased, and it absorbs the droppings of the birds to form a valuable manure, rich in nitrogen. Peat moss litter makes a warm flooring and nesting and when scattered in the chicken run provides an ideal scratching material.

Peat moss is not a fertilizer, but it is important as a soil conditioner, as a filter in commercial fertilizers, which, if used alone, would "burn" the plant growth, and as a base for composting manure. In gardens, peat moss is used extensively as a soil conditioner and, being free from weed seeds, serves as an excellent soil dressing. As a mulch, it virtually prevents growth of weeds, and effects greater retention of soil moisture. This mulch will protect young plants from winter-killing. The use of peat moss tends to produce healthier and more advanced plants. It is also used for packing vegetables and plants for shipping or storage.

Industry

In industry peat moss is used mainly as a fertilizer base when combined with waste from fisheries and packing houses. It is also used as an insulating material in buildings and as a packing material for perishable products.

AGRICULTURAL USE OF PEAT BOGS[1]

The value of an organic soil for agricultural purposes depends more upon its nearness to a market and the climate of the area than upon the quality of the deposit. Intensive agricultural use of an acid dome bog is determined chiefly by its location, how easily it can be cleared and drained and whether the area lends itself well to mechanized truck farming.

Drainage

There are two systems of drainage available: (1) open, and (2) underground (tile drainage).

The main purposes of drainage are: (1) to lower the water table so that machinery can operate on the land, (2) to make sufficient oxygen available for plant growth, and (3) to aerate the soil so that the microflora will decompose the raw organic deposit. It is a serious error to overdrain a bog because peat material, if dried, is extremely difficult to wet again artificially, furthermore, overdrainage may cause an undesirable increase in the rate of settling due to increased oxidation.

Open Ditches

Open ditches are most economical on newly claimed acid dome peat bogs. Due to the amount of shrinkage and compaction over the first few years, tile drainage would be very uneconomical. Open ditches 36 to 48 inches deep, spaced 150 to 200 feet apart, have been found satisfactory on deep bogs formed by deposits of Carex and Sphagnum. These open ditches should be cleaned out every few years. This is due to the fact that colloidal muck which is present in many deposits is forced into the ditches by weight of the soil and water. This is one of the main reasons why it is better to have the ditches wider at the top than the bottom.

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[1] The author wishes to note that the theory and figures in the following information were taken from correspondence and literature obtained from Newfoundland, Ontario, Quebec and Nova Scotia.

Many types of machines and hand labour have been used for digging open ditches with varying degrees of success. It is common practice and economical to use drag lines to dig the main ditches, and back diggers for ditches. Plows and mechanical wheel diggers have also been used with some success (Jasmin, 1960).

Tile Drains

Tile drainage of organic soils is generally not considered practical even when the loss of land due to open ditches is considered. During the first few years, tile laid at a depth of three and one-half feet in organic soils may settle as much as nine inches. If this condition occurs, it may become necessary to relay the tile system. This procedure is much more costly than maintaining properly constructed open ditches.

Clearing and Plowing

The preliminary clearing of a bog depends on the amount of large trees and bush present on the bog. These must be removed before a speed roto cutter can be brought in to pulverize the material on the bog surface. Sometimes controlled burning is used as a preliminary measure to remove surface material; however, this method is very hazardous.

After the top vegetation is roto cut, limestone should be applied at a rate of about two to four tons per acre. The amount to apply will depend on the acidity of the bogs, the base exchange capacities of the soils, and the amounts of calcium present. A standard breaking plow, capable of making a furrow 14 to 16 inches deep by 20 to 24 inches wide, is generally used to break these soils. Flat plowing, which turns under both the top vegetation and the surface application of lime, is preferable.

After plowing, the land should be worked thoroughly in both directions with a double disk and levelled in the same operation with planks or other levelling devices pulled behind the disks. The fibrous organic material of an acid dome bog needs thorough disking before a seed bed can be prepared. After this disking a second application of lime should be added, the amount depending on the pH of the soil and the crop to be grown. This application should be worked thoroughly into the top 10 inches of the soil with a roto tiller or heavy disk harrow (Jasmin, 1960).

Lime Applications

Experimental work conducted at the Organic Soils Substation at Ste-Clothilde, Quebec, indicated that lack of lime is a primary limiting factor for plant growth on dome bogs.

The figures given for rate of application of lime on Quebec, Nova Scotia and Newfoundland differ greatly. All agree, however, that the final application should be applied to the surface and worked in well so that it penetrates at least 10 to 12 inches. The amount of lime used, again, will be determined by the pH of the bog and the crop to be grown.

Agricultural limestone is the material most commonly used to correct soil acidity; however, hydrated lime can be applied if so desired. Approximately two-thirds as much hydrated lime is required in relation to ground limestone; however, the heavy applications needed for these very acid soils and the considerably higher cost of hydrated lime ordinarily make its use impractical.

Effects on Crop Nutrients

Lime applied to acid dome bogs affects the acidity of the soils and influences both uptake and availability to crops of major and minor nutrients. Complex effects occur in the soil after a heavy application of lime has been made in an effort to correct soil acidity.

Applications of limestone decrease the availability of potassium in the soil and the uptake of potassium by plants. Magnesium is not lessened to any extent, probably because of the magnesium contained in the limestone. The calcium content of crop plants is increased considerably with increased lime applications.

Liming decreases the availability to crop plants of most minor nutrient elements because of the higher soil pH values. Initial studies on acid dome bogs indicate that copper and borax are the two most important limiting minor elements. However, there is some indication that, after crops have been produced for a few years, zinc, sulphur, manganese and possibly other elements may also become limiting factors in production. Consideration of such effects of liming must be given in a recommended fertilizer program for any particular crop on an acid dome bog.

Fertilization

Agricultural use of acid dome peat bogs is relatively new. Since these deposits are generally higher than surrounding mineral land, large amounts of minerals are unlikely to move from the surrounding soil to the bog. For this reason, the amounts of calcium, potassium, magnesium and minor elements in these bogs are lower than in marsh deposits, thus they become more acid, for leached minerals move into marshes with the influx of salt water.

Early in the development of a bog, each grower can become familiar with his own problems by careful observation. With each additional year of production and for each new area brought into production, growers will have a better understanding of the general fertilizer problems and soil requirements. For this reason the soils of the different fields should be analyzed frequently and records kept of the plant growth resulting from each fertilizer program. This will help a grower to maintain proper levels of soil fertility and to interpret the requirements of similar soils.

MARKETS

Canadian Market

The domestic market rose from a modest market of 9,000 tons in 1950 to 36,000 tons in 1961, but declined somewhat in 1962 to 27,000 tons. Consumption by each province is not known, but Ontario is believed to be the largest single market for peat moss in Canada. To a certain degree, this market is supplied by producers in Quebec and the Maritimes. While the domestic market is expanding, it should be borne in mind that a number of large producers have been supplying the market with high quality products for years. Thus any substantial potential producer is well advised to examine the opportunities in the export market.

Export Market

The principal strength behing the growth in Canadian peat moss production stems from export demand. In 1962, for example, nearly 90% of Canadian production was exported. While from time to time, Canada ships very small quantities to Bermuda, the Bahamas, Alaska, Hawaii, etc., the continental United States is our principal export market.

Horticultural peat moss (fertilizer grade) enters the United States free of duty. Poultry grade peat moss bears a duty of twenty-five cents per long ton (2,240 lbs.). In 1962, the United States accounted for all our exports of peat moss apart from $600.00 worth shipped to Hong Kong. In response to the United States demand, Canadian exports rose by 210% between 1950 and 1962, from 66,000 tons to 205,000 tons. During the same period, value of our peat moss shipments to the United States rose from $3.0 million to $11 million, a gain of over 250%.

However, it should be noted that the exports to the United States of sphagnum type peat moss are of relatively high value in quality. Domestic production of this latter superior material falls far behind demand. Canadian peat moss competition in the United States has, in the past, come primarily from European rather than United States producers. It should also be noted that considerable latitude is allowed the United States in labelling their products. A great deal of the American production in the senior category, peat moss, falls far below most imported peat moss in quality.

For the year 1961, the following Customs Districts (with tonnage noted) were the largest importers of Canadian peat moss:

Buffalo	26,646 tons
Dakota	17,842 tons
Maine and New Hampshire	3,320 tons
Michigan	23,950 tons
St. Lawrence	16,769 tons
Vermont	34,212 tons
Washington	65,584 tons.

In 1962, of the total United States imports of 268,000 tons, Canada supplied some 80%; West Germany, formerly the principal foreign supplier, contributed 13%, with the remainder coming from a number of countries primarily in Europe.

Canadian Production, Exports and Consumption of Peat Moss

1950 - 1962

(Short Tons in Thousands)

Year	Production	Exports	Apparent Domestic Consumption
1950	75	66	9
1951	77	72	3
1952	75	68	7
1953	82	73	9
1954	99	87	12
1955	118	103	15
1956	128	113	15
1957	138	118	20
1958	149	129	20
1959	184	161	23
1960	185	157	28
1961	224	188	36
1962	232	205	27

Production by Provinces - 1961

Province	Plants	Employees	Production	*F.O.B. Plant Selling Price
N. S. and N. B.	4	311	37,642	$1,856,352.00
Quebec	24	466	75,741	2,614,175.00
Ontario & Manitoba	2	132	33,483	1,349,767.00
British Columbia	12	423	77,165	3,731,537.00
Canada	42	1,332	224,031	9,551,831.00

* Includes container value.

Peat Moss Imports to the U. S. - 1964 Calendar Year*

(Weight in Long Tons)

Country	Weight	Value
Canada	3,361	$208,080
Mexico	22	4,345
Netherlands	40	775
Belgium	1	135
West Germany	867	38,706
Japan	5	2,575
Total	4,316	$254,616

* U. S. Department of Commerce

The above tables show the growth of the peat moss industry in Canada over the twelve year period from 1950 to 1962 and the breakdown of the present production across Canada. Also shown is the tonnage and value of peat moss imported into the United States for 1964.

METHODS OF ANALYSIS

The type of analysis carried out on the samples taken during this survey was strictly a physical analysis. There was no chemical analysis. Of the six tests carried out on the samples, four were actual tests and two were calculated. The analyses involved moisture as received, water-holding capacity of 0% and 25% moisture, loss on ignition, ash and pH (acidity).

The moisture as received test involved the placing of a known weight of moss, as it came from the sample bag, in an oven at 105° C, and leaving it there for a period of twelve hours or more. The difference in weight expressed as percent (%) resulted in the figure for moisture as received.

To determine the water-holding capacity at 0% moisture, a known portion of sample was allowed to saturate in warm water for 30 minutes. The increase in weight expressed as percent when divided by the dry matter in the sample, gives the water-holding capacity at 0%. The water-holding capacity at 25% is calculated. The pH was determined by using a pH meter on a portion of each sample.

The loss on ignition test involved the weighing of a 1 gm. sample on an analytical balance, placing it in a furnace at 1200° F for one and one-half hours and weighing the ash. The difference in weight is the loss on ignition expressed in percent. The ash is calculated. In order to begin this test the sample must be oven dry. For this test the oven dry sample obtained in the moisture as received analysis is used.

PART 1 - 1964 SURVEY

INTRODUCTION

Introductory Statement

During the summer of 1964, an examination of peat moss deposits was carried out in Guysborough County by the Nova Scotia Department of Mines. This survey was established under a research agreement through A.R.D.A. to determine the location, size and quality of peat moss in that portion of the designated pilot area.

The purpose of this report is to record and describe the results obtained from this survey, including field and laboratory procedures involved in the proper assessment of peat moss deposits.

Location

The field work was carried out in the Lincolnville-Goose Harbour Lake and Half Island Cove-Canso town areas in the municipality of Guysborough. The main area of the survey is shown on Map #2. This map shows all the bogs examined in the Half Island Cove-Canso town area. All the areas previously mentioned are in the municipality of Guysborough which constitutes a portion of the A.R.D.A. pilot area.

Topography

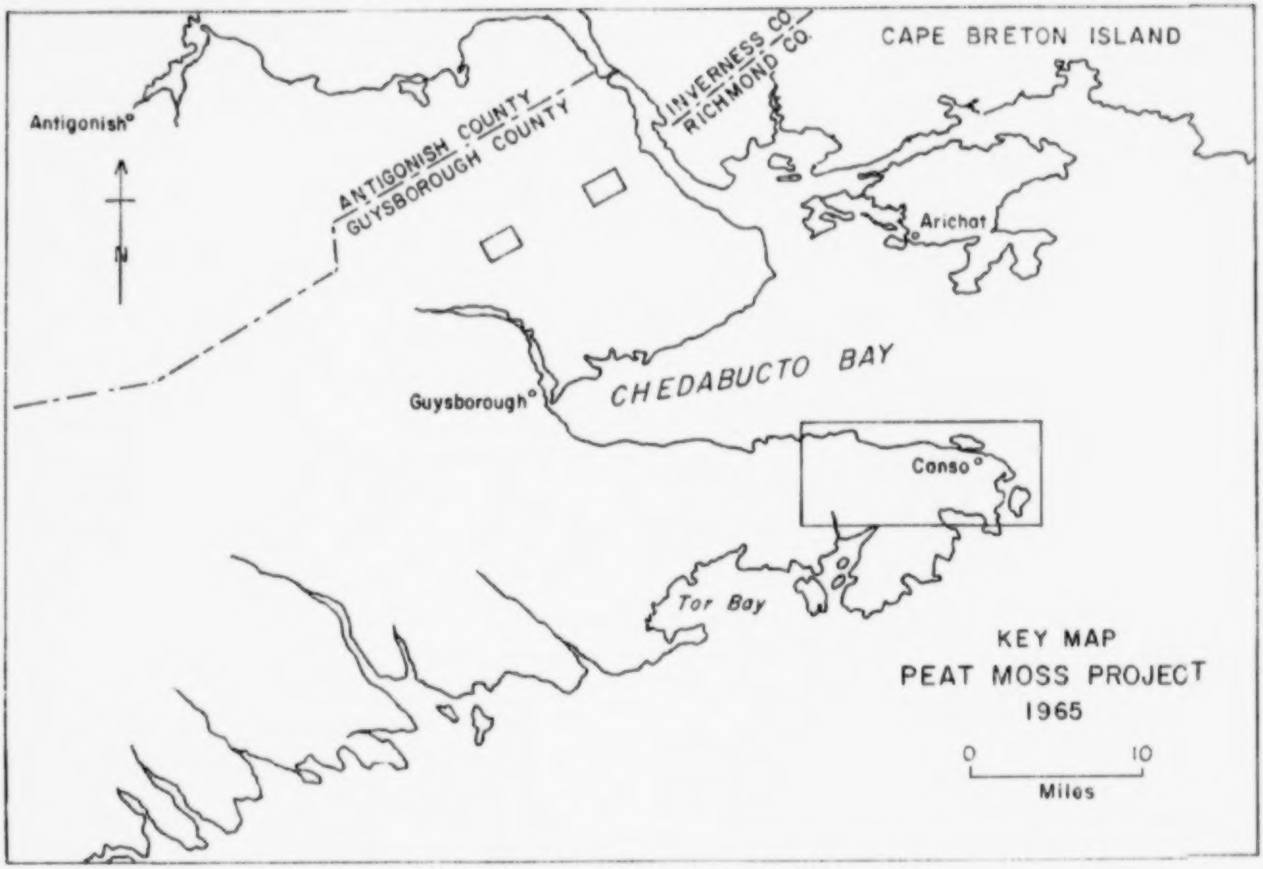
The local topography in which most of the bogs were examined is basically flat with sharp ridges superimposed. Approximately 60% of the area in the vicinity of the bogs is outcrop, consisting either of granite, slates or quartzites. In many instances this bedrock is overlain by a shallow, rocky soil.

Throughout the project area, many small streams and rivers can be seen. In some instances, these streams and rivers act as possible drainage systems for swamps and peat bogs. Many small and large lakes also occur in this area and may act as a disadvantage to the draining of peat bogs.

The local vegetation is mainly in the form of coniferous trees and scrub growth. There are, however, in some areas, small stands of deciduous trees (birch).

Transportation

The project area is serviced by two of the four major types of transportation: water and highway.


CAPE BRETON ISLAND
INVERNESS CO.
RICHMOND CO.
ANTIGONISH COUNTY
GUYSBOROUGH COUNTY
Antigonish
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Arichat
CHEDABUCTO BAY
Guysborough
Canso
Tor Bay
KEY MAP
PEAT MOSS PROJECT
1965
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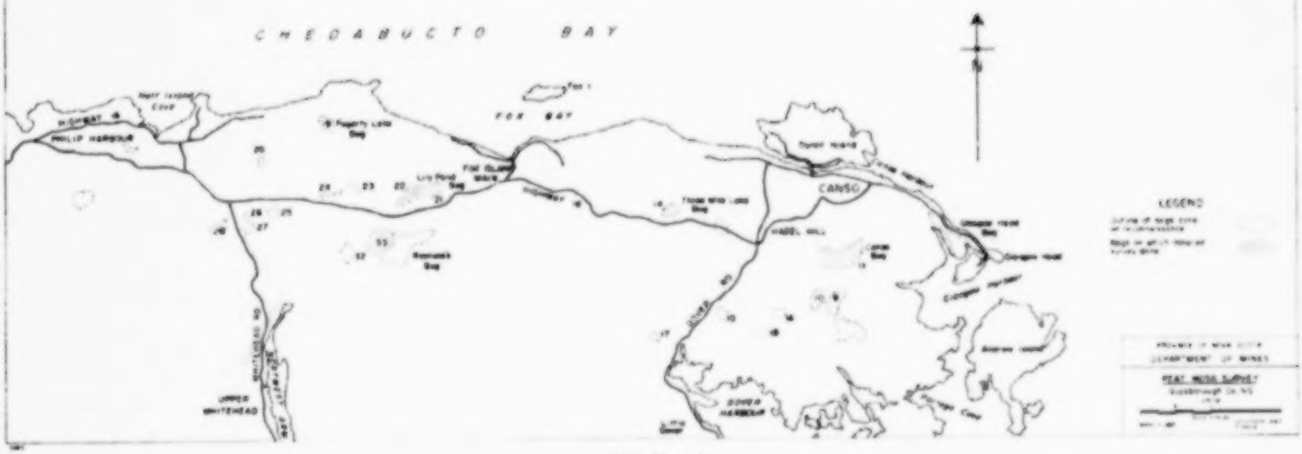
MAP No. 1


CHEDABUCTO BAY
HIGHWAY 16
PHILIP HARBOUR
FOX BAY
20
24
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21
Lily Pond Bog
HIGHWAY 16
26
25
27
28
33
32
UPPER WHITEHEAD
N
CANSO
Three Mile Lake Bog
HAZEL HILL
Glasgow Head
DOVER HARBOUR
LEGEND
DEPARTMENT OF MINES
PEAT MOSS SURVEY

MAP No. 2

As shown on Map #1, the survey area borders the Strait of Canso and Chedabucto Bay, thus giving access to deep sea and coastal shipping. Docking facilities for this mode of transportation are available at Canso and Mulgrave.

The survey area is served by one paved road. Highway #16 is paved from Canso, Guysborough County to Monastery, Antigonish County. All other roads in this area are secondary dirt roads. These secondary roads are not numerous and some of the older roads are impassable except to trucks or four-wheel drive vehicles. This lack of suitable roads hindered the survey to some degree.

The nearest Canadian National Railways line is the main line from Halifax to Sydney which passes through Monastery, Antigonish County. This line is approximately eight miles north from the Lincolnville area where one bog was examined during the survey.

Acknowledgements

Administration of this project, including all aspects of the field work was carried out from the Department of Mines offices in Halifax and Stellarton. Invaluable assistance was received from Mr. T. E. Tibbetts, Head, Fuels Division, Mines Branch, Department of Mines and Technical Surveys, Ottawa. The members of the field crew who ably assisted in the field work were as follows: John M. Wuite, senior assistant; Ernest Rafuse, Alexander Hamilton, Neale Wagstaff and Ian MacRae, junior assistants. Mr. Wallace Leopold was employed as camp cook.

Maps Prepared

Eight maps of the survey area have been prepared, all of which are included in this part of the report.

Each bog has an individual map showing surface and subsurface contours, sounding and sampling points, and an outline showing the extremities of the bog. In some cases where all the information cannot be supplied on one map, two maps were used.

Besides the key map, there is a map showing the largest area surveyed on reconnaissance with the bogs covered shown in their proper positions (Map #2).

Previous Work

The first survey of peat bogs in this area was carried out in 1924 by Aleph Anrep. The information obtained by this survey may be found in a report by Aleph Anrep entitled: "Investigations of Peat Bogs in Nova Scotia". This survey was done for the Canada Department of Mines.

The next survey of bogs in this area was done in 1947 by H. A. Leverin, Chemical Engineer, Wolfville, Nova Scotia, director of the field party with J. R. Cameron, an undergraduate student at Acadia University, Wolfville, Nova Scotia, as chief of the field party. This examination included:

(1) a topographical survey to determine the extent of the deposit and its drainage possibilities,

(2) borings, systematically put down to determine the depth of humified peat moss and humified peat,

(3) samples, taken from several elevations in each hole for analysis.

From the above data, the quality and estimated quantity of each type of peat in the deposit was determined.

DESCRIPTION OF PEAT BOGS

Canso Bog #11

Location and Size

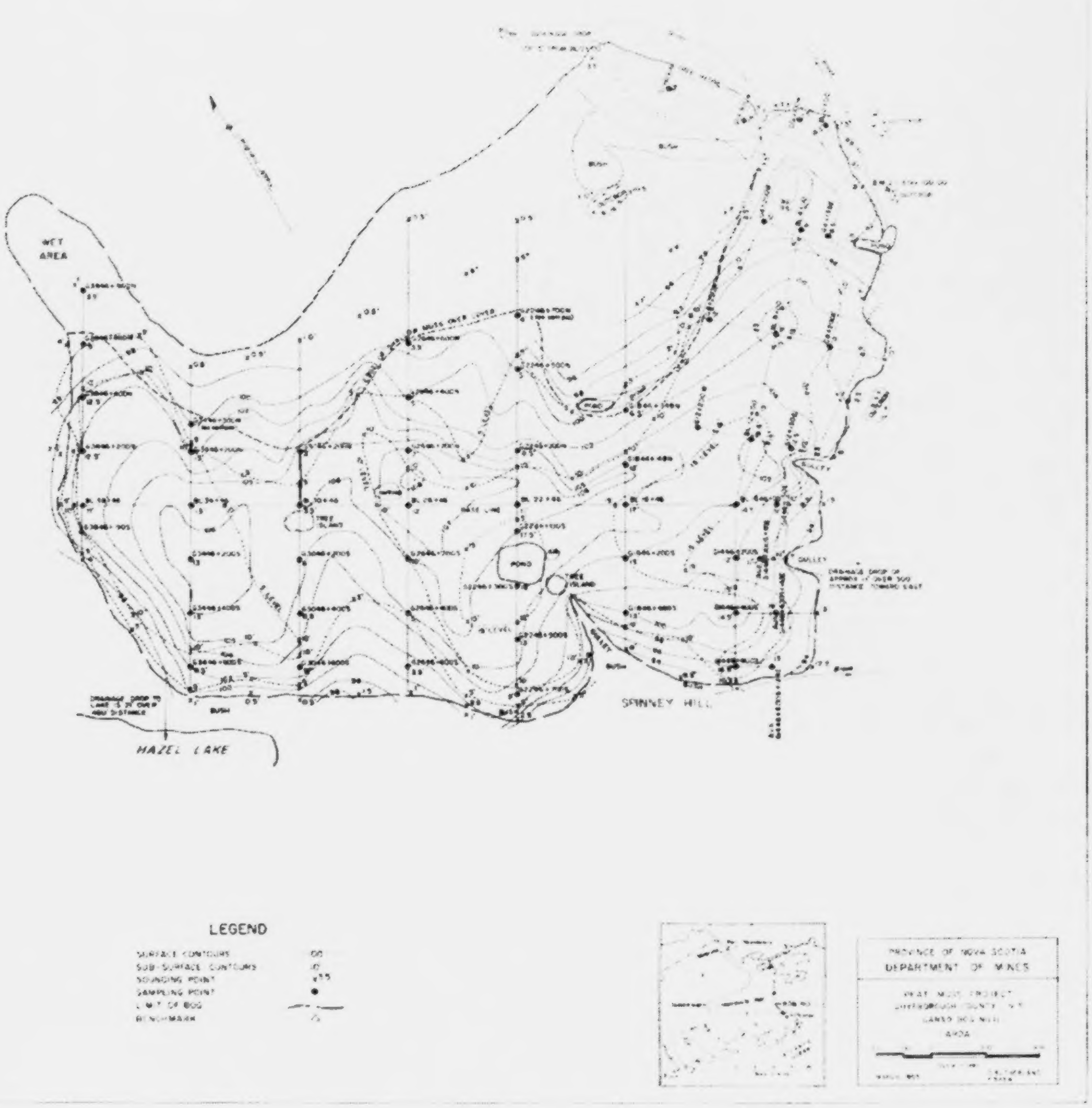
This bog is located one mile south of Canso (see Map #2). It has an area of 120.9 acres. Of this area, 59.2 acres have a depth of less than five feet; 17.3 acres have a depth between five feet and 10 feet; 36.4 acres have a depth between 10 feet and 15 feet; and 8.0 acres have a depth of more than 15 feet. These depths and acreages are all shown on Map #3.

Accessibility

This bog is easily accessible by taking the street south from Highway #16, in the town of Canso, and proceeding to the graveyard on the hill. This is as far as a vehicle can travel at the present time. A path then goes south from the graveyard to the bog, a distance of 200 yards.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 8.0 acres with an average depth of 15 feet containing 193,600 cubic


WET AREA
HAZEL LAKE
SPINNEY HILL
POND
TREE ISLAND
GULLY
BUSH
LEGEND
SURFACE CONTOURS
SUB-SURFACE CONTOURS
SOUNDING POINT
SAMPLING POINT
LIMIT OF BOG
BENCHMARK
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT

MAP No. 3

yards yielding 9,680 tons (shipping weight); 36.4 acres with an average depth of 11 feet containing 645,978 cubic yards yielding 32,299 tons; and 17.3 acres with an average of five feet containing 139,553 cubic yards which yields 6,978 tons. The total tonnage is 48,957 tons. (In determining the tonnage, the shipping weight of one cubic yard of peat moss was taken as 100 pounds. This standard will be applied to all bogs so treated in this report.)

Description and Vegetation

This bog is very highly domed and the surface quite uniform. In most areas of the bog, the surface peat is free from humus. Generally, the surface consists of Sphagnum clumps and Cotton Grass (Eriophorum). There is also a liberal presence of Carex (many varieties), Pitcher Plant (Sarraceniaceae purpurea), Blueberry (Vaccinium), Cranberry (Vaccinium exycoceus), Sedges, Hypnum mosses and Foxberry (Vaccinium vitis-idaea, minus). Along the edges of the bog can be found an extensive growth of Labrador Tea (Ledum decumbens) and some dwarf Junipers (Humperus montana).

The surface is comparatively free from large knolls and trees. There are, however, a few tree areas which are shown on Map #3. Except for these areas there are no large growths on the bog.

On the east end of the bog the dome is quite noticeable. This is a factor which suggests that the bog is still growing and developing and is a good indication that the moss is still largely undecomposed.

Along the north side of the bog is a large area in which a rock ledge outcrops in various places. The moss cover, in this area, is approximately 30 acres, is very thin and could only be used as stripping. This rock outcrops on the good bog in a few places as shown on Map #3. All outcrops found near this bog are either granite or impure quartzite.

Drainage

This bog has three practical drainage possibilities. The more practical of the three is into Hazel Lake where there is a drop in elevation of 21 feet to the lake from a position near G3446 + 600S and along the same line. Due to the fact that Hazel Lake is being considered as a possible water supply for Acadia Fisheries' new plant in Canso and also as a possible water supply for the town, drainage of this bog to Hazel Lake may be more costly if there is a possibility of contamination.

The second drainage possibility is a small brook which runs from the pond near G1846 + 348N along the edge of the outcrop and then north towards the highway. This brook crosses the highway at a culvert approximately one mile inside the Canso town limits. The brook becomes larger as it moves away from the bog. The elevation drop along this brook is quite small but it could be used to drain surface water from the first few feet of depth.

The third drainage possibility runs east along the line of the auxiliary grids from G1446S. Approximately 300 yards from the bog is a brook that runs southeast towards tidewater near Glasgow Head. A drainage line was established and an elevation drop of 11 feet was found over the first 100 yards from the bog.

Analytical

The analyses of the samples taken from this bog can be found in Table #1. A general resume of the results would indicate that this bog contains very high quality peat moss over a good depth range. It is generally free from humified peat and is uniform in texture over a good depth. The pH is uniform over the entire bog and falls in the range of 3.5 to 4.5. The analyses show an excellent quality acid dome peat bog.

Three Mile Lake Bog #14

Location and Size

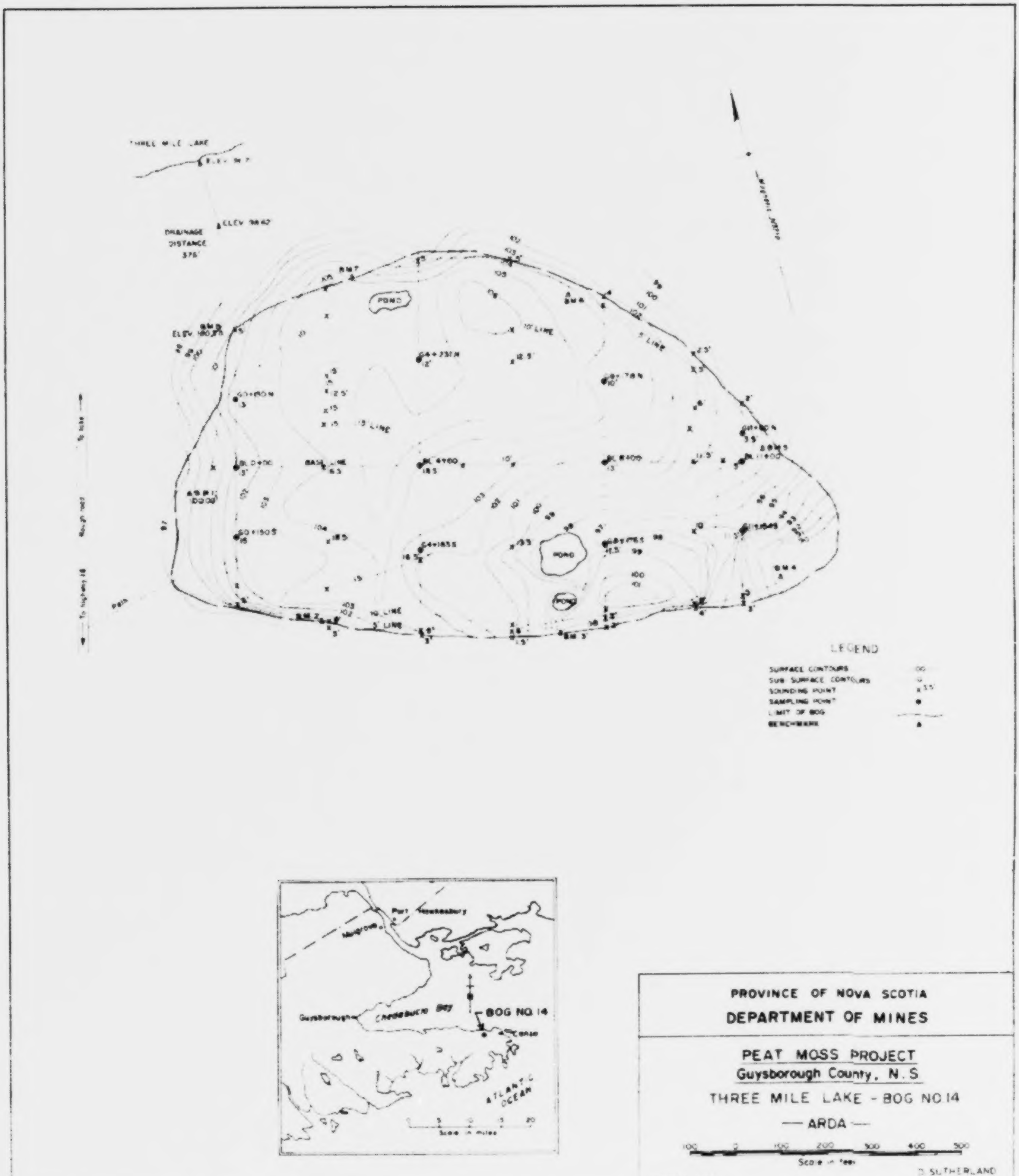
This bog is located 2.4 miles from Canso on the north side of Highway #16 (see Map #2). It has an area of about 21.6 acres. Of this area, 2.1 acres have a depth of less than five feet; 5.6 acres have a depth of between five feet and 10 feet; 11 acres have a depth of between 10 feet and 15 feet; and 2.9 acres have a depth of more than 15 feet. These depths and acreages are shown on Map #4.

Accessibility

The bog is accessible from Highway #16 by taking an old road which runs to Three Mile Lake and then by a foot path for about 25 yards. The road to the lake is presently not suitable for vehicles to travel. The bog, however, is approximately two hundred yards from the highway.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 2.9 acres with an average depth of 15 feet containing 70,180 cubic yards, yielding 3,509 tons of peat moss; 11 acres with an average depth of 11 feet containing 195,213 cubic yards, yielding 9,761 tons; and 5.6 acres with an average depth of five feet containing 45,173 cubic yards, yielding 2,258 tons. The total tonnage is 17,528 tons.


THREE MILE LAKE
DRAINAGE DISTANCE 375'
ELEV. 98.62
POND
BASE LINE
10' LINE
15' LINE
5' LINE
To Highway 16
Rough road
To lake
Path
LEGEND
SURFACE CONTOURS
SUB SURFACE CONTOURS
SOUNDING POINT
SAMPLING POINT
LIMIT OF BOG
BENCHMARK
Port Hawkesbury
Mulgrave
Guysborough
Chedabucto Bay
BOG NO. 14
Canso
ATLANTIC OCEAN
Scale in Miles
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S
THREE MILE LAKE - BOG NO.14
— ARDA —
100 0 100 200 300 400 500
Scale in feet
MARCH, 1965
D. SUTHERLAND
F.S. SHEA
G.H.B.

MAP No. 4

Description and Vegetation

This bog has a well developed dome and is fairly uniform except for the area around C8S and G11S. Here the bog surface is broken by a gully and a few bushes are growing. There is one large pond on the bog and a few small wet areas, but generally the surface is quite firm and dry.

Sphagnum and Hypnum mosses, and sedges are the main vegetation near the middle of the bog. Around the perimeters the Cotton Grass (Eriophorum) becomes the prominent type of vegetation. A considerable amount of Labrador Tea (Ledum decumben) may also be found around the perimeter of this bog. Juniper (Juniperus montana), Pitcher Plant (Sarraceniaceae purpurea), Cranberry (Vaccinium oxycoccus), Carex and Foxberry (Vaccinium vitis-idaea, minus) are the other principal types of vegetation found on this bog.

Drainage

There is only one drainage direction for this bog and it involves cutting through a rock ledge. Between the north edge of the bog and Three Mile Lake is about two hundred feet of rock which outcrops in various places over the two hundred feet. There is, however, 10 feet of fall from the edge of the bog to the lake. The bog could be drained towards the access road at the west end of the bog, but the problem of getting rid of the water would still involve getting through the rock ledge to the lake. The drainage possibilities can be seen on the map of the bog, Map #4.

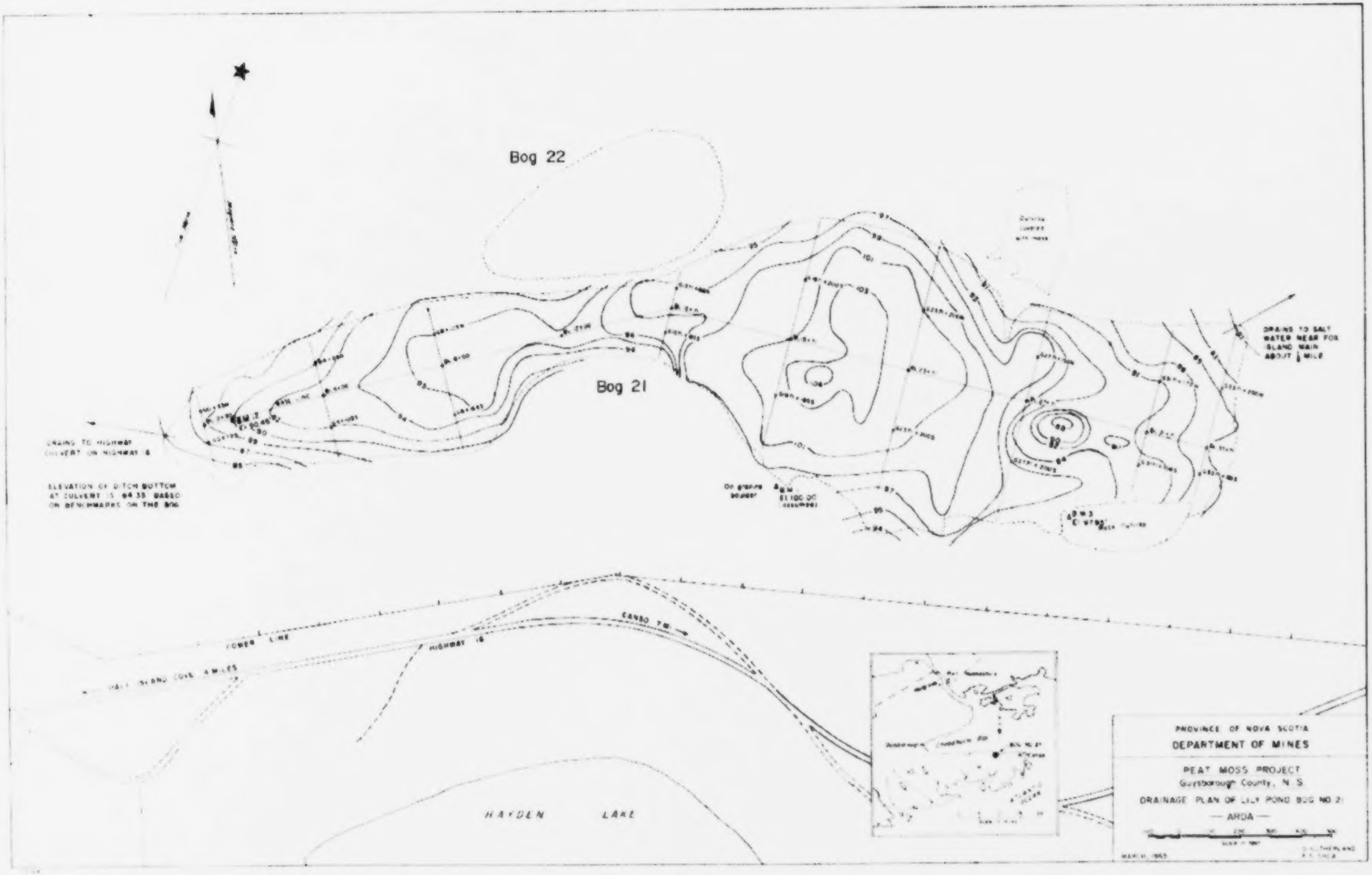
Analytical

The complete analyses done on the samples taken from this bog can be seen in Table 2. A general description of the results would indicate a good quality peat moss over a reasonable depth. The pH is generally uniform between 3.5 and 4.5. This bog is quite small but if it could be drained cheaply it could be used as a supplement to the bog in Canso.

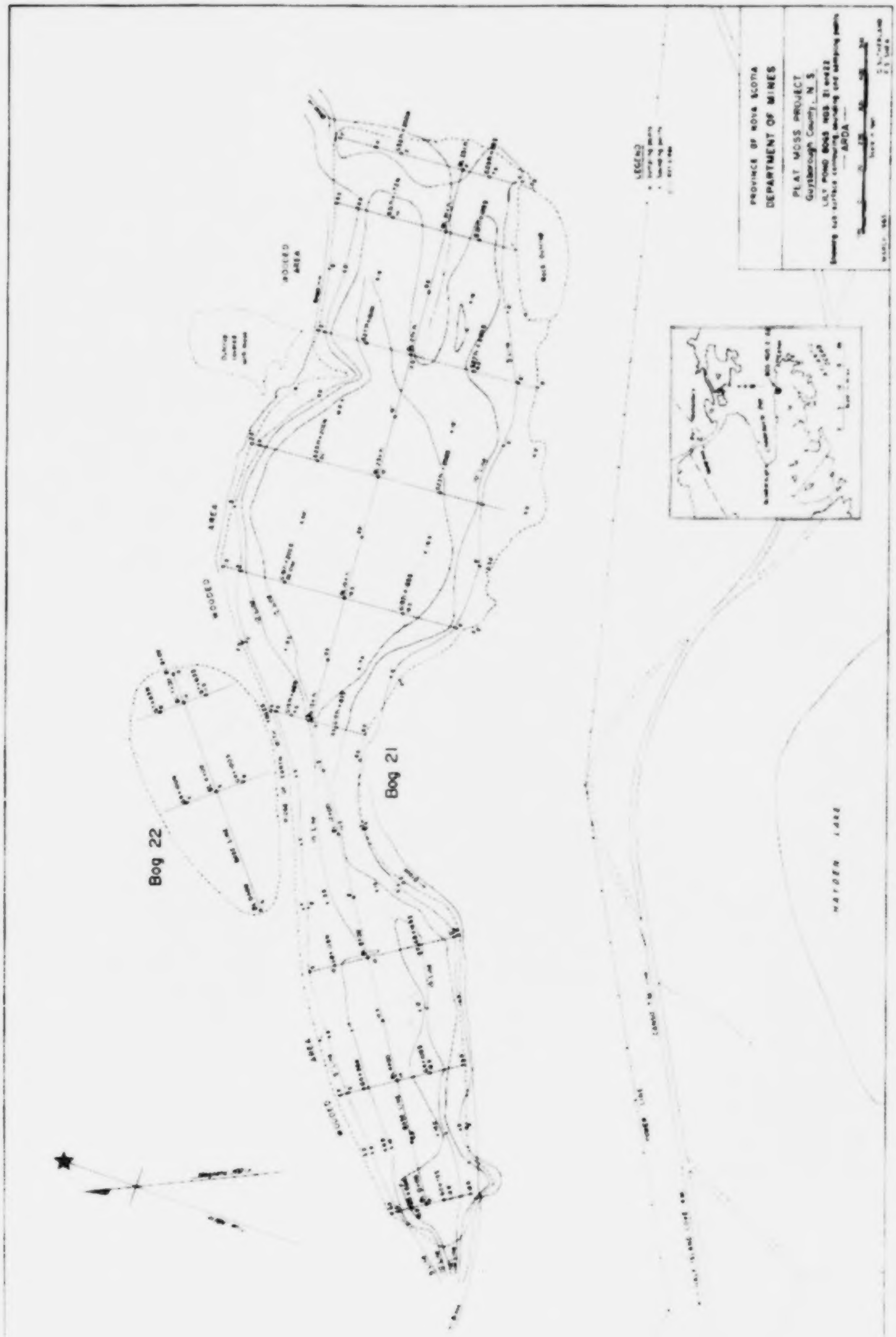
Lily Pond Bog #21

Location and Size

This bog is located about six miles from Canso town on the north side of Nova Scotia Highway #16 (see Maps #2 and #6). It has an area of about 44.3 acres. Of this area, 6.7 acres have a depth of less than five feet; 13.3 acres have a depth of between five feet and 10 feet; 10.1 acres have a depth of between 10 feet and 15 feet; and 14.2 acres have a depth of more than 15 feet. These depths and acreages are shown on Map #6.


Bog 22
Bog 21
DRAINS TO SALT
WATER NEAR FOX
ISLAND MAIN
ABOUT ½ MILE
DRAINS TO HIGHWAY
CULVERT ON HIGHWAY 16
ELEVATION OF DITCH BOTTOM
AT CULVERT IS 84.35 BASED
ON BENCHMARKS ON THE BOG
POWER LINE
HIGHWAY 16
CANSO 7 MI
HALF ISLAND COVE 4 MILES
HAYDEN LAKE
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
DRAINAGE PLAN OF LILY POND BOG NO. 21
— ARDA —

MAP No. 5


PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
LILY POND BOGS NOS. 21 and 22
Showing sub surface contouring sounding and sampling points
— ARDA —
LEGEND
WOODED AREA
Bog 21
Bog 22
HAYDEN LAKE
POWER LINE

MAP No. 6

Accessibility

This bog is easily seen and accessible from Highway #16. It is approximately one hundred yards down hill from the road. There is no definite road or path to the bog.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after draining, there is available 13.3 acres with an average depth of five feet containing 107,287 cubic yards of moss yielding 5,364 tons of peat moss; 10.1 acres with an average depth of 11 feet, containing 179,241 cubic yards yielding 8,962 tons of peat moss; 14.2 acres with an average depth of 15 feet containing 343,640 cubic yards of moss yielding 17,182 tons of peat moss. The total tonnage of peat is 31,508 tons.

Description and Vegetation

The surface of this bog is domed and has an abundance of Sphagnum clumps. There are also numerous ponds present which indicates the bogs are still growing. A few of these ponds dry up in the heat of the summer, but the majority retain this water content throughout the entire year.

Towards BL0 + 00, the vegetation is mainly Cotton Grass (Eriophorum) and Carex. Walking north on this bog, the surface becomes more wet and the clumps of Sphagnum become more numerous. Also on the west end of the bog are numerous small Juniper (Juniperus montana). They were not abundant enough to interfere with the survey in any way.

Progressing east along the bog past BL15 + 71, it widens and becomes more level and elevated. There are still numerous clumps of Sphagnum on the slopes, but the top of the dome is fairly free from clumps. There are no trees or bushes on this part of the bog. The other plants present on the bog are well scattered, but are common to the bogs in this area. They include Labrador Tea (Ledum decumbens), Pitcher Plant (Sarraceniaceae purpurea), Blueberry (Vaccinium), Cranberry (Vaccinium oxycoccus) and Foxberry (Vaccinium vitia-idaea, minus). The numerous Sedges and Hypnum mosses are more plentiful and are found in conjunction with Carex and Sphagnum moss.

At the end of G31 + 71S is a large outcrop of impure quartzite. This is the only outcrop present on the actual bog, but along the bank up to the highway, the rock outcrops quite frequently. The two large outcrops near the bog are shown on Map #6.

Drainage

There are two good drainage possibilities for this bog. One is at the west end of the bog towards Half Way Run and the other is toward the seashore in Fox Bay near Fox Island Main at the east end of the bog.

The drainage to Half Way Run is excellent as the bog is very deep at the west end. The sounding results showed a channel at the west end of the bog that goes out between two ledges or rock. This channel is filled with a grey clay material which does not permit good natural drainage. At present there is a small brook running along the proposed drainage line. This brook flows to Half Way Run which flows under Nova Scotia Highway #16 at a culvert approximately 500 yards from the bog. The elevation of the ditch bottom at this culvert is 84.34 feet. This elevation is relative to the readings taken on the bog for surface contouring (see Map #5).

The drainage to the east is not as assured as the drainage to the west. A small brook runs out of the northeast corner of the bog towards Fox Island Main. Due to the dense underbrush this brook could not be explored along its entire length, but investigation near Fox Island Main revealed that it does flow to tidewater. Under these conditions, at least partial drainage should be available.

Analytical

A complete table of analyses from the samples taken from this bog are shown in Table 3. A general description of the results would indicate that the better quality peat moss is in sections, over any appreciable depth. In some areas of the bog the peat is quite highly decomposed. Overall, the quality is quite good.

Lily Pond Bog #22

Location and Size

The bog is located approximately one hundred feet to the north of BL12 + 00 on Bog #21 (see Map #6). It has an area of 6.2 acres. Of this area, 3.5 acres have a depth of less than five feet; 2.2 acres have a depth of between five feet and 10 feet; and .5 acres have a depth of between 10 feet and 15 feet. There is no depth over 15 feet.

Accessibility

This bog is easily accessible from Lily Pond Bog. There is a ridge or mound of glacial debris separating the two bogs, with some trees growing on it.

Volume

Excluding the acreage of peat, less than five feet in depth and allowing two feet shrinkage in depth after draining, there is available 2.2 acres with an average depth of five feet containing 17,747 cubic yards of peat moss yielding 887 tons and .5 acres with an average depth of nine feet containing 7,260 cubic yards and 363 tons of peat moss. The total tonnage for the bog is 1,250 tons.

General Description

This bog was surveyed in detail only because of its very close proximity to Bog #21. In general appearance and vegetation, it is no different from Bog #21 and the drainage is to the east of the bog towards Fox Island Main. The analyses were very similar to those of Bog #21. These results can be seen in Table 4.

Reynold's Bog #33

Lobe #1

Location and Size

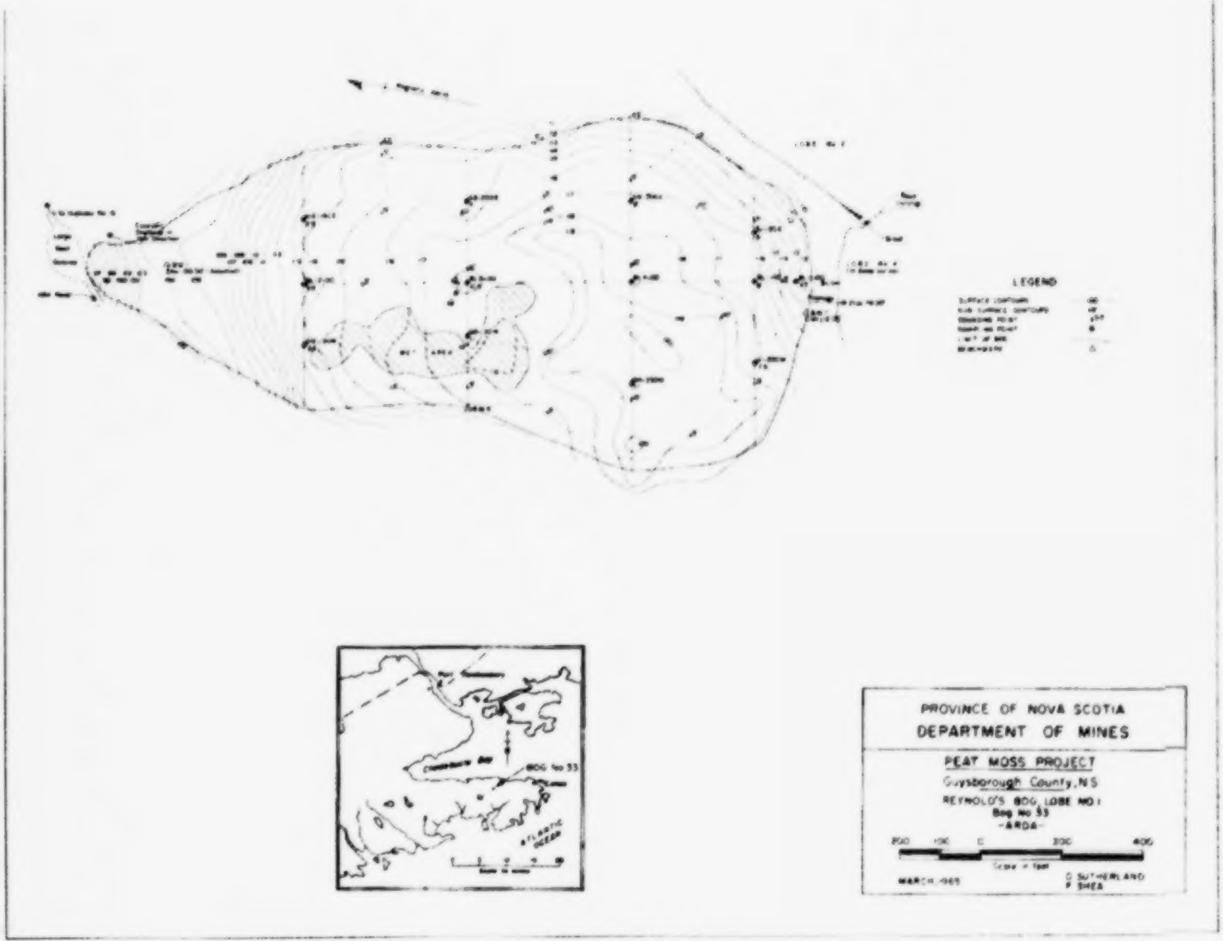
This bog is located about 6.5 miles from Canso town on the south side of Nova Scotia Highway #16 (see Map #2). It is almost directly across the highway from Lily Pond Bog and may be reached by an old road, a distance of one quarter of a mile. This road is not suitable for vehicles in its present state. The bog has an area of approximately 120 acres, divided into four lobes. Only one lobe of 24.3 acres was assessed by detailed survey due to drainage problems. Of this area 11.2 acres have a depth of less than five feet; 8.6 acres have a depth of between five feet and 10 feet; and 4.5 acres have a depth of between 10 feet and 15 feet. There is no depth over 15 feet.

Accessibility

The bog is easily accessible from Nova Scotia Highway #16 along an old road (see Map #7). The road extends over the extreme west end of the bog. This road is not suitable for vehicle travel due to a bridge over a brook being washed out and destroyed.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after draining, there is available 8.6 acres with an average depth of five feet containing 69,373 cubic yards of peat moss yielding 3,469 tons, and 4.5 acres with an average yield of nine feet containing 65,340 cubic yards yielding 3,267 tons of peat moss. The total tonnage is 6,736 tons.


LEGEND
SURFACE CONTOURS
BOG No 53
ATLANTIC OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S
REYNOLD'S BOG LOBE NO 1
Bog No 53
-ARDA-
200
100
0
200
400
Scale in feet
MARCH 1969
D SUTHERLAND
F SHEA

MAP No. 7

Description and Vegetation

The surface of this bog is very wet and has many large clumps of Sphagnum. In general, the bog surface is very rough and uneven except for the south end near BLO + 00. Near most of the ponds, the bog appears to be floating and there are some areas in which the moss appears to be in a humified state. The wet area is generally on the west side of the base line as can be seen on Map #7.

On the east side of the bog is a barren whose surface is lower than the bog surface. On the west side dense woods extend up to the edge of the bog. On the edges of the bog, the vegetation is mainly Carex and Labrador Tea (Ledum decumbens). The dome of the bog is made up mostly of Sphagnum and Hypnum mosses with some Cotton Grass (Eriophorum).

The bog itself is free from outcrop rock, but on the north end there is a large granite outcrop which extends under the bog for some distance. Rock can also be found around the perimeter of the bogs.

Other vegetation found on the bog is Foxberry (Vaccinium vitis-idaea, minus), Cranberry (Vaccinium oxycoccus) and Pitcher Plant (Sarraceniaceae purpurea). Along the edges of the bog are also some dwarf, black spruce and Juniper.

Drainage

The drainage in this bog can only be described as fair even though there is a large drop in elevation at both the north and south ends. There appears to be a large amount of rock beneath the bog which gives an uneven basement or floor. This characteristic was determined by the sounding methods. Due to this amount of bedrock, most of which is found at the north end of the bog, the best drainage possibility occurs at the south end of the bog near BLO + 00. At this point there is a drop of 36 feet to an adjoining lobe of the bog. This can be seen on Map #7.

Lobe #2

General Description

A large lobe of this bog, containing approximately 80 acres, lies to the southeast of BLO + 00. Between the bog and the highway is a lake which has a portion of it adjoining this second lobe. Due to this occurrence only the top few feet of the second lobe could be drained without draining the lake through the bog. This lobe is very similar to lobe #1. The moss in lobe #2 was sampled and analysed considering that it could be used as stripping.

Analytical

The analyses of the samples taken from lobe #1 can be found in Table 5. The results showed the moss in this bog to be of the best quality found in this area. Due to the close proximity of this bog to Bogs #21 and #22, there is a large volume of good quality peat moss available from these three bogs.

The results of the sample analysis for lobe #2 can be found in Table 6.

Lincolnville Bog #9b

Location and Size

This bog is located at the north end of the village of Lincolnville on the east side of Nova Scotia Highway #16 (see Map #8). It has an area of about 39.4 acres. Of this area, 8.8 acres have a depth of less than five feet; 18.8 acres have a depth of between five feet and 10 feet; and 11.8 acres have a depth of between 10 feet and 15 feet. There is no depth over 15 feet.

Accessibility

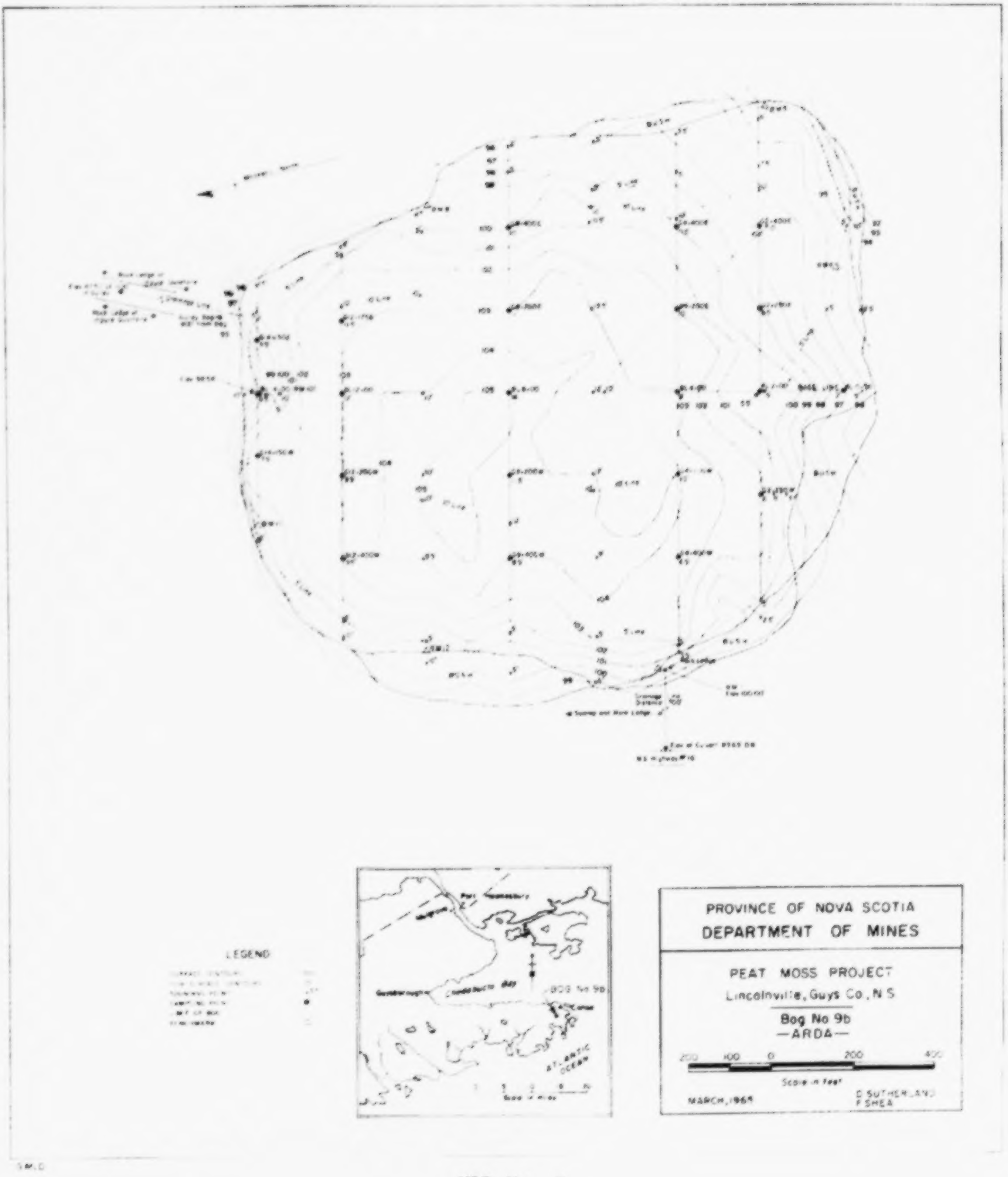
The bog is easily accessible from the highway over a distance of about three hundred yards (see Map #8). There is no road for vehicles. The bog can be seen from the highway.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after draining, there are available 18.8 acres with an average depth of five feet containing 151,653 cubic yards yielding 7,583 tons of peat moss, and 11.8 acres with an average depth of nine feet containing 171,336 cubic yards of peat moss yielding 8,567 tons. The total tonnage is 16,150 tons.

Description and Vegetation

From the highway, the bog appears quite highly domed but from the surface it is very flat. This bog has good natural drainage and as a result, the surface is dry and quite firm. The surface is even and has a few small juniper trees scattered over the area. The principal vegetation on the surface is Cotton Grass (Eriophorum) and Sphagnum and Hypnum mosses. The abundance of Cotton Grass is probably due to the well drained condition of the bog.


LEGEND
BOG No 9b
Chedabucto Bay
ATLANTIC OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Lincolnville, Guys Co., N.S.
Bog No 9b
—ARDA—
200
100
0
200
400
Scale in Feet
MARCH, 1969
D SUTHERLAND
F SHEA
S.M.D

MAP No. 8

Other types of vegetation are present but generally they are found more toward the outer perimeter of the bog. They include Blueberry (Vaccinium), Labrador Tea (Ledum decumbens), Carex and Sedges.

On the east and south side of the bog dense woods occur and on the west and north side are a number of ridges of outcrop. These ridges run mainly north and south and are primarily impure quartzite.

Drainage

There are two good drainage possibilities available, but their utilization involves cutting through one or more of the ever present rock ledges. The first and best drainage possibility is to the west on the line of G4W (see Map #8) to a road culvert in Nova Scotia Highway #16. The distance is approximately 700 feet and must pass over three ledges of outcrop. There is a drop of 17 feet from the edge of the bog.

Analytical

The analyses of the samples taken from this bog can be found in Table #7. The general resume of the results would give this bog only a good rating. The pH seemed a bit higher than the other bogs sampled and the peat seemed to be more highly decomposed than the other bogs. This bog does not appear to have as good a possibility, mainly due to its lack of volume and with no other bogs of suitable size and quality nearby to supplement it.

RECONNAISSANCE

Canso Road Area

In addition to the six bogs that were assessed during a detailed survey, 19 additional bogs were checked and recorded. These bogs were in the general vicinity of the Canso Road and lie between Half Island Cove and Glasgow Head. They can be seen on Map #2 and the general area as outlined on Map #1. Of the 19 bogs, five of these could have had a more extensive examination if time permitted. The remainder were not surveyed further for the following reasons:

(1) Inaccessibility - for the most part, the bogs in the vicinity of the Canso Road are extremely difficult to reach and in some cases must be classified as completely inaccessible;

(2) Lack of Size - all of the bogs surveyed but not assessed in detail, with the exception of three or four bogs, were too small to warrant a comprehensive survey;

(3) Quality - in some cases the bogs, when reached, were found to be either very highly humified or simply unusable swamps.

Lincolnville Area

Due to limited time this area was not covered very thoroughly, but the two largest bogs were checked. One bog, Bog #9, was assessed in detail (see Map #8). The remaining bogs, due to the high humification of the moss and lack of drainage were not assessed in any detail. The other bogs in this area were also very small.

Goose Harbour Lake

Two bogs were covered in this area (see Map #2). One had an area of approximately 100 acres, but was in a very highly humified condition over its entire area. The other bog of approximately 15 acres was a shallow swamp and proved to be worthless.

Conclusion

This report is considered to contain adequate information so that a decision may be made regarding the suitability of the area for the developments mentioned in the report. However, detailed studies of the area for specific purposes will be needed through additional investigations.

Although not all bogs in the Guysborough-Half Island Cove-Canso area were examined due to such factors as inaccessibility and poor drainage, it is reasonable to state that the examinations that were carried out during 1964 provide a sound basis and methods of interpretation for further assessment of peat bogs in Guysborough County and other parts of the designated pilot area under A.R.D.A.

PART 2 - 1965 SURVEY

INTRODUCTION

Introductory Statement

During the summer of 1965 examination of peat moss occurrences was continued in Guysborough County by the Nova Scotia Department of Mines. This survey was established in 1964 under a research agreement through A.R.D.A. to determine the location, size and quality of peat moss in that portion of the designated pilot area.

The purpose of this report is to record the results obtained during the 1965 survey with respect to bogs and areas covered.

Location

During 1965, field work was carried out primarily along the eastern shore area of Guysborough County from Canso to Goldboro. Work was done both in Guysborough and Saint Mary's municipalities. A key map which is included as part of this report shows the main areas surveyed (Map #9).

Topography

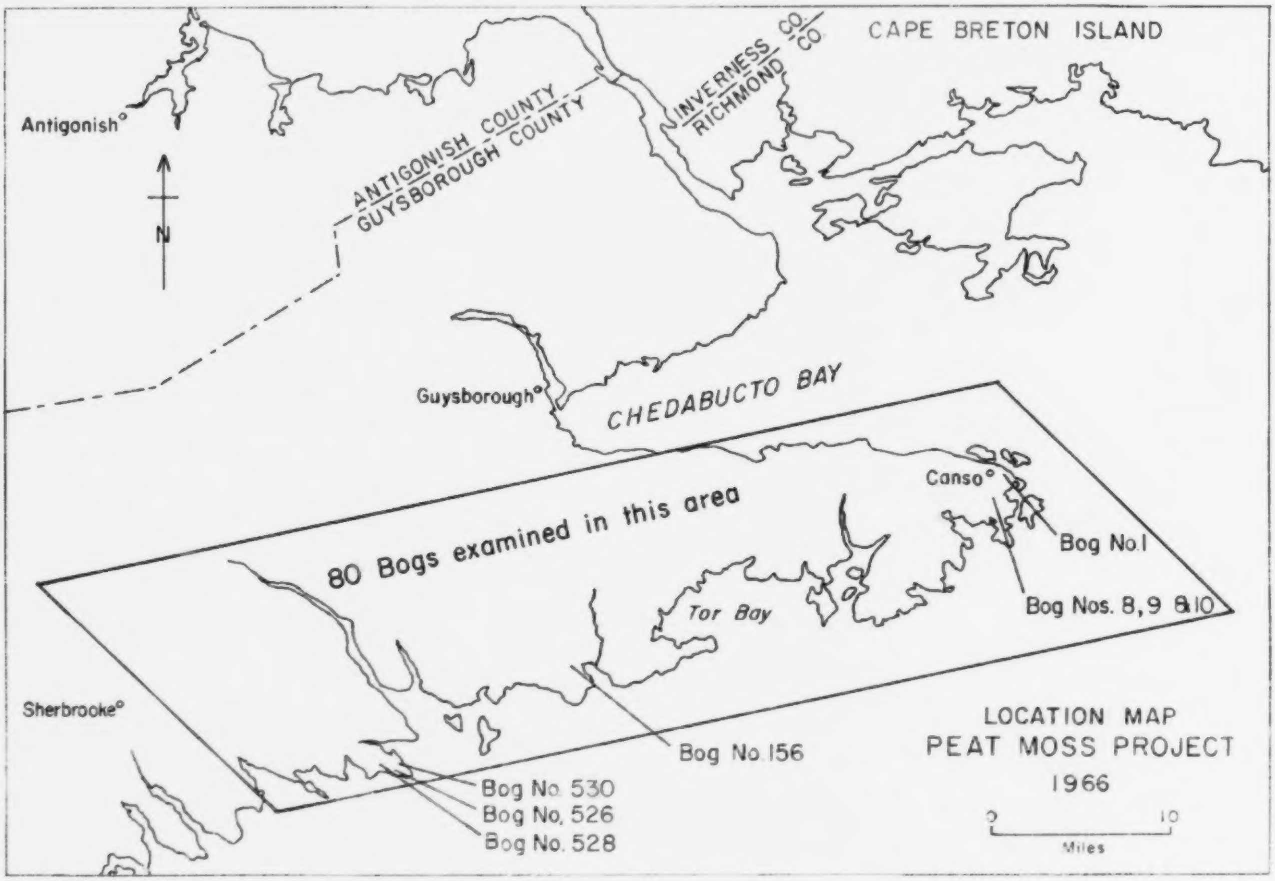
The local topography is basically flat with occasional sharp ridges. In some areas, a considerable amount of glacial debris occurs. Approximately 60% of the areas in the vicinity of the bogs is outcrop or rubble outcrop consisting of granite, slate or quartzite. In many instances, this bedrock is overlain by a shallow, rocky soil.

Throughout the project area many small streams and rivers occur. In some instances these streams and rivers act as possible drainage systems for swamps and peat bogs. Many small and large lakes also occur in the project area and may act as a disadvantage to the drainage of a peat bog.

Transportation

The project area, as surveyed during 1965, is serviced by two of the four major types of transportation: water and highway.

As shown on Map #9, the survey area borders Chedabucto Bay and the Eastern Shore with many small bays and inlets which make up the Atlantic coast of Guysborough County. This gives access to coastal and deep sea shipping. Docking facilities are available at Canso, New Harbour, Isaac's Harbour and Port Bickerton.


CAPE BRETON ISLAND
INVERNESS CO.
RICHMOND CO.
ANTIGONISH COUNTY
GUYSBOROUGH COUNTY
Antigonish
N
Guysborough
CHEDABUCTO BAY
Canso
80 Bogs examined in this area
Bog No.1
Bog Nos. 8, 9 & 10
Tor Bay
Sherbrooke
Bog No.156
Bog No. 530
Bog No. 526
Bog No. 528
LOCATION MAP
PEAT MOSS PROJECT
1966
0
10
Miles

MAP No. 9

The project area is serviced by two paved roads and one partially paved road. Highway #16 is paved from Canso to Monastery in Antigonish County; Highway #7 is paved from Antigonish to Sherbrooke. An unnumbered paved highway leaves Highway #7 at Waternish and connects with Port Bickerton. From Bickerton a dirt road leads to Fisherman's Harbour, a distance of two miles.

Another unnumbered, partially paved, highway extends from Goshen, Antigonish County, through Country Harbour, Goldboro, Larry's River and Half Island Cove in Guysborough County. This road serves the major portion of the area surveyed during 1965.

The nearest Canadian National Railways line is the main line from Truro to Sydney which passes through Monastery in Antigonish County.

Acknowledgements

Administration of this project, as in 1964, was through the Geological Division of the Nova Scotia Department of Mines. The members of the field crew who ably discharged their duties as field assistants were as follows: John M. Wuite, senior assistant; Alexander Hamilton, Robert Fraser, David DeRosiers, Allan MacLaughlin and Frank Clark as junior assistants.

The Department of Mines wishes to express appreciation to the laboratory staff of the Department of Chemistry of the Nova Scotia Agricultural College, Truro, for cooperation and prompt reporting of peat moss analyses.

Maps Prepared

Five maps of the 1965 survey have been prepared, all of which, including a key map, constitute a part of this report.

Each bog surveyed is shown individually, but two or more bogs may be shown on one map. The information shown includes subsurface contours, sampling and survey stations, and the limits of each bog.

DESCRIPTION OF PEAT BOGS

Extent of Survey - 1965

The 1965 peat moss survey began during early May in the vicinity of the town of Canso, Guysborough County, Nova Scotia. Bog #1 (Glasgow Head) was established for detailed examination during the latter part of the 1964 field season and this was the first area assessed in 1965. Three additional bogs (#8, #9 and #10) in the vicinity of Canso, were also assessed in detail.

After completion of the Canso area study, the survey was extended along the eastern shore of Guysborough County to Goldboro. This distance would involve approximately fifty miles in which bogs of the Canso, Canso Road, Cole Harbour, Pease Brook, Tor Bay, Seal Harbour and Port Felix districts were assessed on a reconnaissance basis. The areas assessed on a reconnaissance basis only were not examined in detail due the following observations:

(1) Inaccessibility - in some cases these bogs are extremely difficult to reach and must be classified as inaccessible;

(2) Lack of Size - all bogs examined but not assessed in detail, with the exception of a few bogs, were too small to warrant a complete survey;

(3) Quality - in some cases the bogs as examined were found to be either highly humified, very shallow or just unusable swamps.

From Goldboro the survey moved to an area near Sherbrooke. Three bogs from Fisherman's Harbour and one bog in the New Harbour area were assessed in detail.

The remaining districts examined in Guysborough County covered areas near Isaac's Harbour, Ocean Lake, Country Harbour, Quince, Waternish, New Harbour and Fisherman's Harbour. Those bogs which were not assessed in detail were characterized by one or more the following drawbacks: inaccessibility, lack of size or low quality. In all, approximately eight bogs were covered during the 1965 field season in an area from Canso Town to Fisherman's Harbour along the eastern shore of Guysborough County and inland from Queensport to Crows Nest.

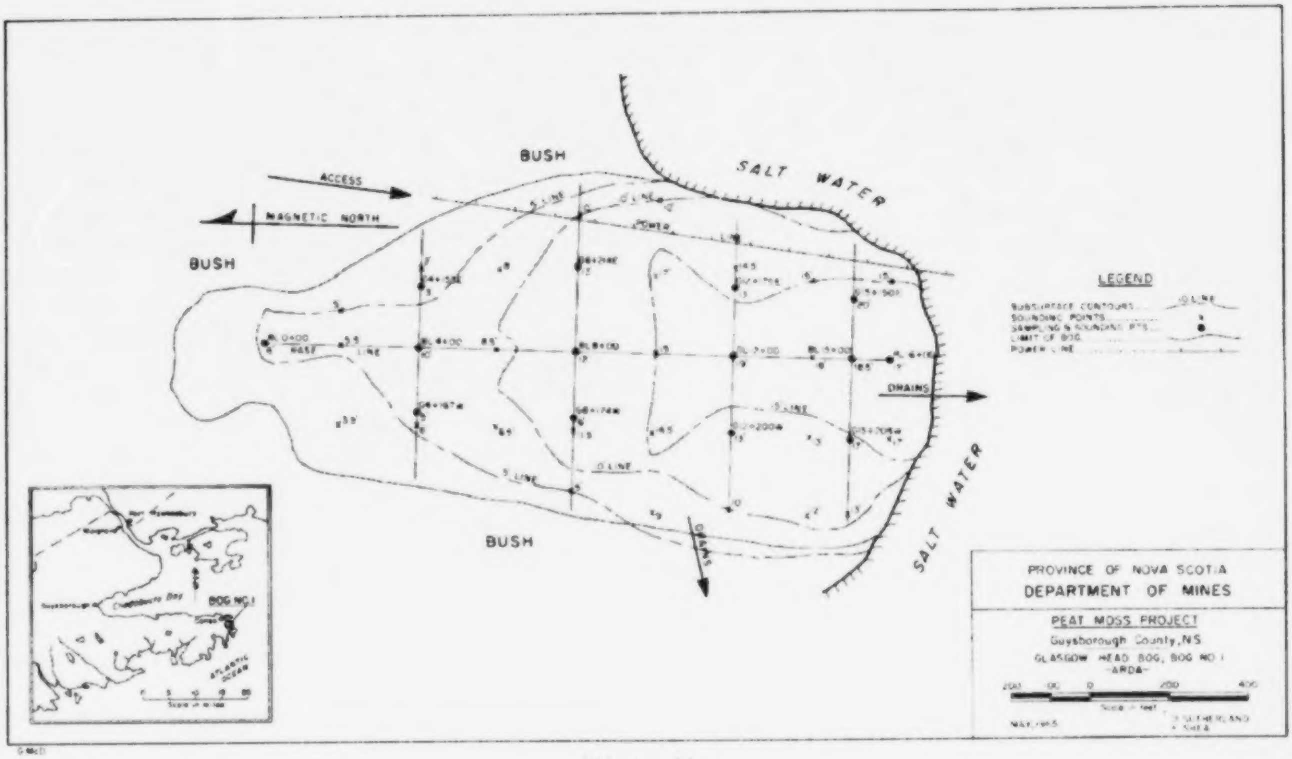
Glasgow Head Bog #1

Location and Size

This bog is located approximately one mile eastward from the town of Canso and extends towards the Department of Transport station on Glasgow Head. It has an area of 30.5 acres. Of this area, 6.6 acres have a depth of less than five feet; 7.4 acres have a depth of between 10 and 15 feet; and 6.1 acres have a depth of more than 15 feet. These depths and acreages are shown on Map #10.

Accessibility

This bog is easily accessible along a power line leading west to Glasgow Head from Canso. The power line runs from Canso to the Department of Transport Radio Station at Glasgow Head.


BUSH
SALT WATER
ACCESS
MAGNETIC NORTH
BUSH
5 LINE
0 LINE
POWER
BL 0+00
BL 4+00
BL 8+00
BL 12+00
BL 15+30
BL 18+18
DRAINS
10 LINE
5 LINE
0 LINE
DRAINS
BUSH
SALT WATER
LEGEND
SUBSURFACE CONTOURS
SOUNDING POINTS
SAMPLING & SOUNDING PTS.
LIMIT OF BOG
POWER LINE
Guysborough
Chedabucto Bay
BOG NO. 1
ATLANTIC OCEAN
Scale in miles
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
GLASGOW HEAD BOG, BOG NO. 1
-ARDA-
200
100
0
200
400
Scale in feet
MAY, 1965

MAP No. 10

Volume

Excluding the acreage of peat moss less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 6.1 acres with an average depth of 15 feet containing 147,620 cubic yards of peat moss yielding 6,838 tons (shipping weight); 10.4 acres with an average depth of 12 feet yielding 201,344 cubic yards of peat moss giving 10,067 tons. An average depth of six feet contains 71,632 cubic yards of peat moss yielding 3,582 tons. The total for this bog is 21,030 tons. (In determining the tonnage, the shipping weight of one cubic yard of peat moss was taken as 100 pounds. This standard will be applied to all bogs so treated in this report.)

Description and Vegetation

The surface of the bog is quite irregular. Towards the south end the bog begins to dome, with this dome characteristically being comprised of large Sphagnum clumps. In many cases wet areas occur between the clumps, which causes travelling to be quite difficult in places through this bog.

A liberal covering of Cotton Grass (Eriophorum) and Carex (many varieties) occurs on this bog. Other vegetation present is comprised of Pitcher Plant (Sarraceniaceae purpurea), Blueberry (Vaccinium), Cranberry (Vaccinium oxycoccus), Sedges, Hypnum mosses and Foxberry.

Immediately north of this bog as surveyed, occurs another lobe which has a large covering of spruce. The moss found in this lobe may be used for stripping on the surface to supplement that obtained from the main bog area.

Drainage

Drainage is excellent for this bog and is obviously towards the south, southeast and southwesterly direction. A detailed drainage survey has yet to be completed, but it will show definite directions and elevations.

Analytical

Table 8 shows analyses of all samples taken from this bog. These results indicate a uniform quality of peat moss throughout. The quality of this bog is considered to be typical of the bogs in the area.

Gaspereau Bog #10

Location and Size

Bog #10 is located south of the town of Canso and south of Bog #11 (see report, 1964) behind Spinney Hill. It is in a group of three bogs (see Map #11).

This peat bog has an area of 39.1 acres. Of this area, 10.2 acres have a depth of less than five feet; 7.2 acres have a depth of between five and 10 feet; 12.1 acres have a depth of between 15 and 20 feet; and 1.1 acres with a depth of over 20 feet.

Accessibility

This bog is easily accessible by traversing a foot trail south around the base of Spinney Hill to Bog #9 and then crossing west to Bog #10 (see Map #11).

Volume

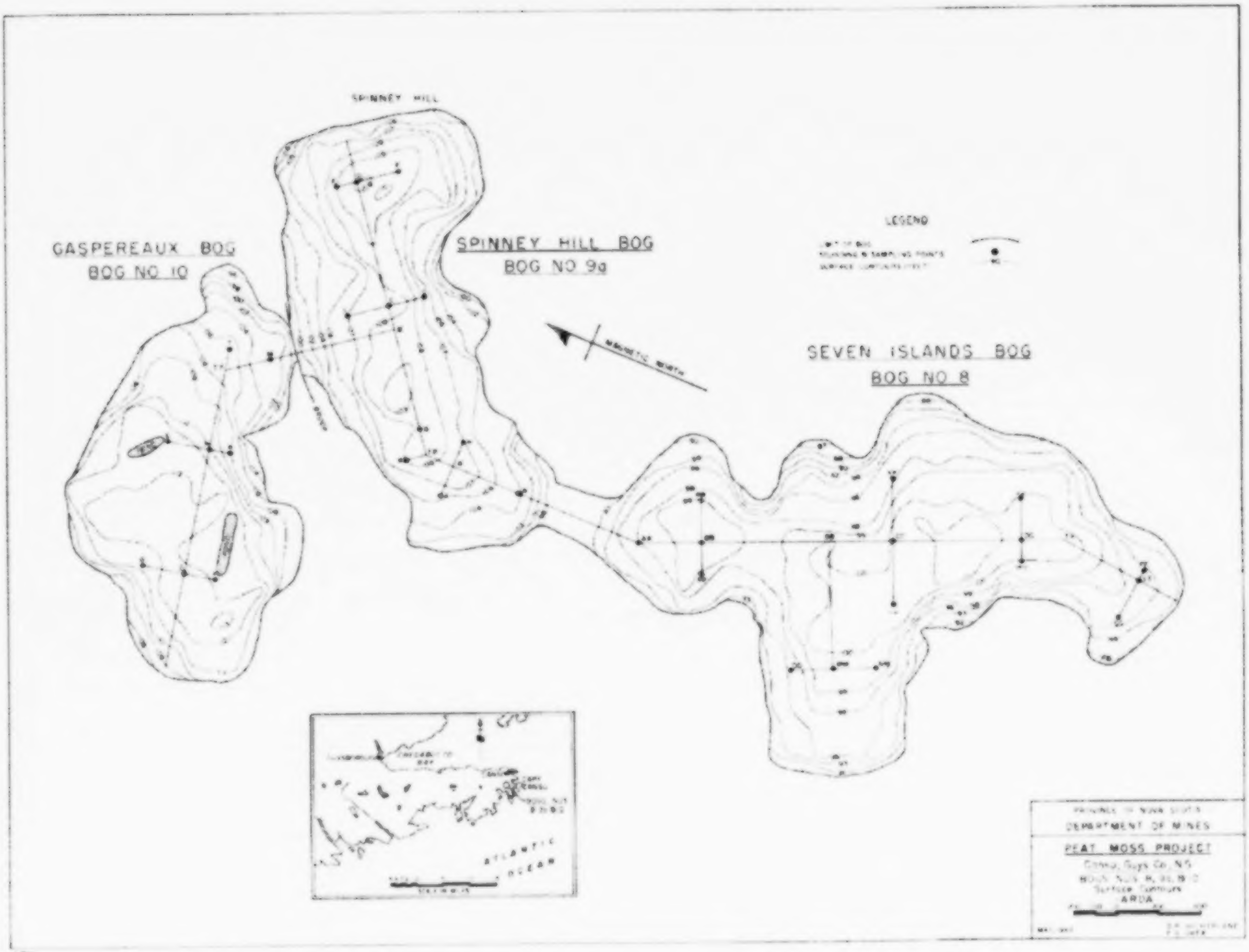
Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 1.1 acres with an average depth of 19 feet containing 33,719 cubic yards of peat moss yielding 1,686 tons; 8.5 acres with an average depth of 16 feet containing 219,413 cubic yards yielding 10,971 tons; 12.1 acres with an average depth of 12 feet containing 234,256 cubic yards yielding 11,713 tons; and 7.2 acres with an average depth of eight feet containing 92,928 cubic yards yielding 4,646 tons. The total tonnage is 29,016.

Description and Vegetation

This bog is a domed peat bog of the type common to this area. The surface is fairly smooth with no outstanding mounds or hollows. There are also numerous occurrences of Sedges and Carex. The surface of the bog is free from trees except near the outer perimeter where some juniper and dwarf spruce can be found. Other vegetation includes Blueberry, Cranberry and Pitcher Plant.

Drainage

There are two drainage possibilities for this bog. The first is to the north toward Hazel Lake and the second to the west toward a small lake and brook, a distance of 300 yards with a 30 foot drop in elevation to the lake.


SPINNEY HILL
GASPEREAUX BOG
BOG NO 10
SPINNEY HILL BOG
BOG NO 9a
MAGNETIC NORTH
SEVEN ISLANDS BOG
BOG NO 8
LEGEND
LIMIT OF BOG
SOUNDING & SAMPLING POINTS
SURFACE CONTOURS (FEET)
ATLANTIC
OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guys Co. N.S.
BOGS NOS. 8, 9a, & 10
Surface Contours
ARDA

Analytical

Analyses of all samples taken from this bog are listed in Table 9. A general resume of the results would indicate that this bog contains a very high quality peat moss over a satisfactory depth range. They also show a very good quality acid dome bog.

Spinney Hill Bog #9a

Location and Size

This bog is located near Bog #10 (see Map #11), directly to the rear of Spinney Hill which lies approximately one mile south of the town of Canso. The area of the bog is approximately 35.1 acres.

Volume

There are 9.8 acres with a depth of less than five feet; 16.8 acres with a depth of between five and 10 feet; 7.7 acres with a depth of between 10 and 15 feet (see Map #11).

Allowing 2.5 feet shrinkage due to drainage, there is available 0.8 acres with an average depth of 14 feet containing 18,069 cubic yards of peat moss yielding 903 tons; 7.7 acres with an average depth of 12 feet containing 149,072 cubic yards of peat moss yielding 7,454 tons; and 16.8 acres with an average depth of six feet containing 162,624 cubic yards of peat moss yielding 8,131 tons. The total tonnage is 16,488.

Description and Vegetation

The surface of this bog is slightly domed and has a few Sphagnum clumps. There are no ponds on this bog, but a large, soft, wet area exists near BL:C (Map #11).

The vegetation is similar to other bogs in this area and consists primarily of Cotton Grass (Eriophorum), Carex and Sphagnum mosses. Around the edge of this bog numerous small spruce and juniper (Juniperus montana) occur.

In general, this bog surface is quite uniform with no marked depression or humps. East of station B on this bog an outcrop of impure quartzite occurs. A similar outcrop of found on the south end of Bog #8 (Map #11).

Drainage

Drainage for this peat bog is mainly to the southeast to a small gully between Bogs #8 and #9a. To the east another possibility exists for the establishment of a drainage pattern; however, this could not be studied to obtain significant results due to dense woods in the area.

Analytical

Lack of depth seems to be the only drawback for this bog. The analyses showed a good quality moss over a reasonable depth. In general the quality is equal to others in the area. Table 10 shows complete results of analyses from this bog.

Seven Islands Bog #8

Location and Size

This peat bog is located immediately to the south of the Spinney Hill Bog. It has an area of 60.4 acres. Of this area, 10.9 acres have a depth of less than five feet; 22.6 acres have a depth of between five and 10 feet; 19.2 acres have a depth of between 10 and 15 feet; and 7.5 acres have a depth of more than 15 feet. These depths are shown on Map #11.

Accessibility

The Seven Islands Bog is easily accessible by a foot trail from Bog #11 (Part 1, 1964 Survey Report) and thence south across a small gully (Map #11).

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 7.5 acres with an average depth of 15 feet containing 181,500 cubic yards yielding 9,075 tons; 19.2 acres with an average depth of 11 feet containing 340,736 cubic yards yielding 17,037 tons; and 22.6 acres with an average of six feet containing 218,768 cubic yards yielding 10,938 tons. The total tonnage is 37,050 tons.

Description and Vegetation

This bog is quite highly domed and the surface uniform. In most areas of the bog the surface peat is free from humus. Generally, the surface consists of Sphagnum clumps and Cotton Grass (Eriophorum). There are also many varieties of Carex, Pitcher Plant (Sarraceniaceae purpurea), Blueberry (Vaccinium), Cranberry (Vaccinium oxycoccus), Sedges, Hypnum mosses and Foxberry (Vaccinium vitis-idaea, minus).

With the surface quite uniform only one clump of trees is evident on this bog. A few ponds occur but do not cover any appreciable area. Along the east boundary rock outcrop more or less defines the bog, but does not interfere to any extent with the depth of moss.

Drainage

The Seven Islands Bog has three practical drainage possibilities. The first is to a lake bordering the west lobe of the bog and west of the bog. There is a considerable drop in elevation from the bog to the lake. The second drainage possibility is into a small brook (creek) on the southeast of Bog #8. There is a large ridge of outcrop between the Seven Islands Bog and the small brook. The third drainage possibility is west along the same gully that drains the Spinney Hill Bog.

Analytical

Table 11 shows complete analyses from this bog. The moss available appears to be of very high quality and is typical of the peat moss in Bogs 8, 9, 10, 11 and 1. Overall, the quality is good except for some small areas of moss which are quite highly decomposed.

New Harbour Bog #156

Location and Size

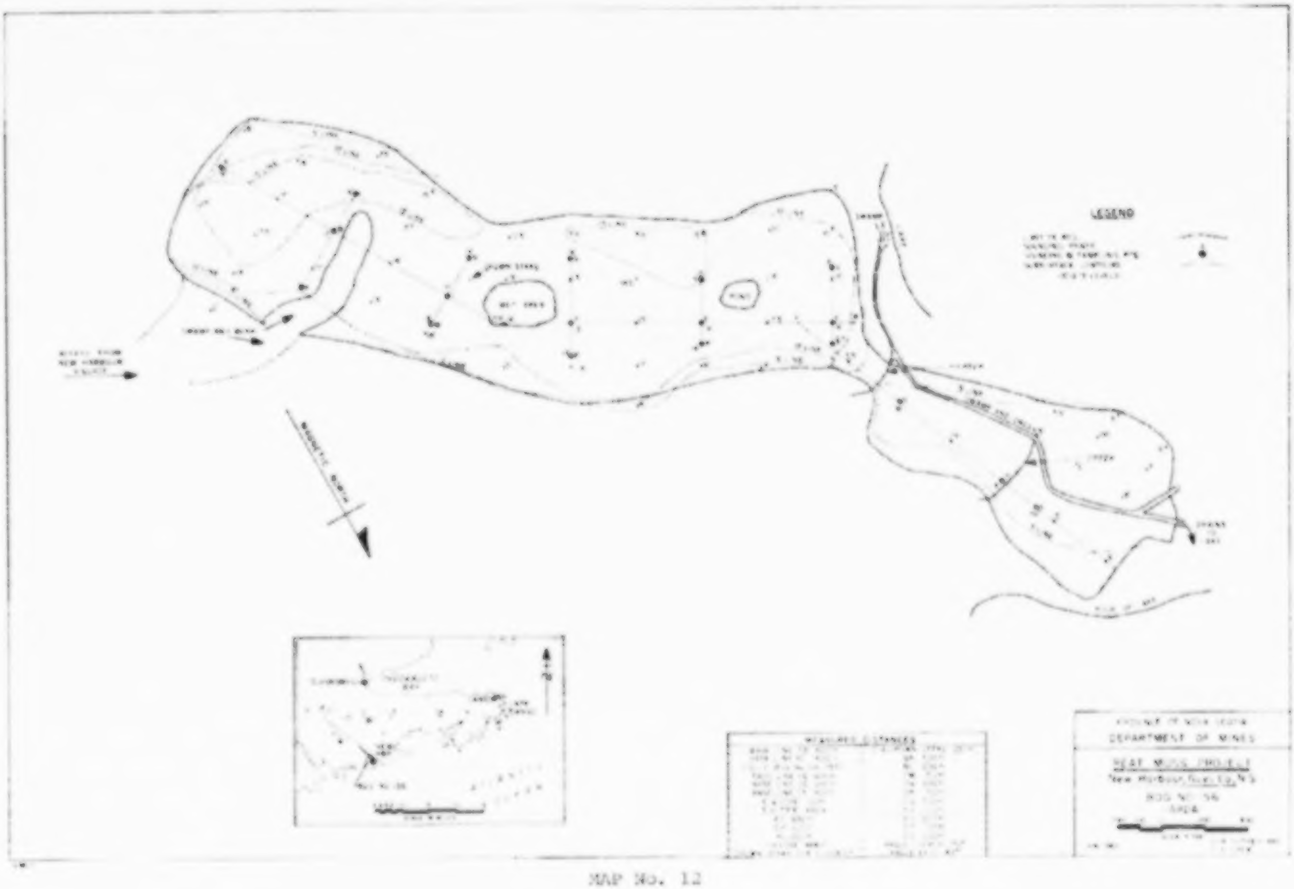
This bog is located approximately one mile north of New Harbour Village. It has an area of 83.7 acres. Of this area, 9.5 acres have a depth of less than five feet; 24.0 acres have a depth of between five and 10 feet; 39.3 acres with a depth of between 10 and 15 feet; and 9.6 acres with a depth of more than 15 feet. These depths are recorded on Map #12.

Accessibility

This bog is easily accessible by traversing a number of foot paths from the main highway, approximately one-half mile from New Harbour Village, in a northwesterly direction.

Volume

Excluding the acreage of peat less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 9.6 acres with an average depth of 15 feet containing 232,320 cubic yards yielding 11,616 tons; 39.3 acres with an average depth of 11 feet


LEGEND
MAGNETIC NORTH
MEASURED DISTANCES
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
New Harbour, Guys. Co., N.S.
BOG No. 56
AREA

MAP No. 12

containing 691,444 cubic yards yielding 34,872 tons; and 24.0 acres with an average depth of five feet containing 193,600 cubic yards yielding 9,680 tons. The total tonnage is 56,168.

Description and Vegetation

This bog is fairly uniform with the exception of a wet area near a crown land marker (see Map #12) and a small gully with bushes, between BL:A and BL:B. The lobe that extends northward has a marked elevation (hill) on the east side of a small brook (creek) running through the west boundary. This creek divides the lobe into two sections.

The bog is domed near station BL:A and domes again near BL:D (see Map #12). The surface is relatively smooth with a few scattered Sphagnum clumps. Cotton Grass is the predominant form of vegetation. Other forms of vegetation found commonly on this bog are: Carex, Pitcher Plant, Blueberry, Cranberry, Sedges, Hypnum mosses, Foxberry and Labrador Tea. There is only an occasional growth of small spruce on the bog and no large area is covered by trees.

Drainage

Numerous drainage possibilities exist for this bog. One system may be developed through the brook which dissects the north lobe of the bog (Map #12). This north lobe is considerably lower in elevation than the main bog to the south. There are two lakes on the north end which could also be used to drain the area.

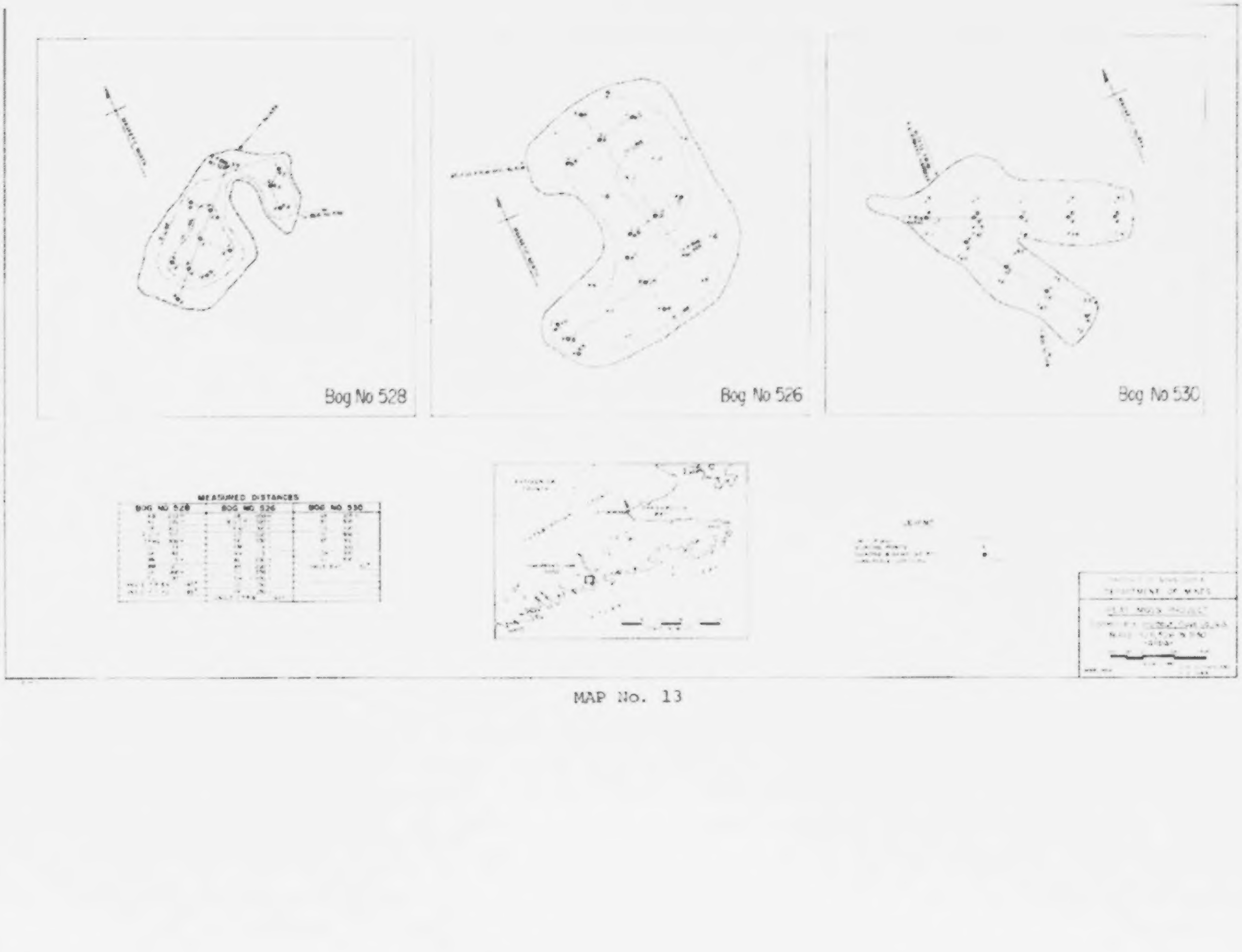
Analytical

Table 12 shows results of the analyses for the New Harbour Bog #156. These results are typical of the peat moss in this area.

Fisherman's Harbour Bog #526

Location and Size

This bog is located about two miles from the village of Fisherman's Harbour on a point of land between Fisherman's Harbour and Port Bickerton. It is the third bog of a series surveyed in this area of Guysborough County (see Map #13). The bog has an area of approximately 36.6 acres. Of this area, 10.9 acres have a depth of less than five feet; 20.8 acres have a depth of between five and 10 feet; and 4.5 acres have a depth of over 10 feet. There are no recorded depths of over 15 feet.


Bog No 528
Bog No 526
Bog No 530
MEASURED DISTANCES
BOG NO 528
BOG NO 526
BOG NO 530
DEPARTMENT OF MINES
PEAT MOSS PROJECT

MAP No. 13

Accessibility

This bog is easily accessible by foot paths east from Bog #528 and from the village of Fisherman's Harbour.

Volume

Excluding the acreage of peat less than five feet in depth and allowing a two foot shrinkage in depth after draining, there is available 20.8 acres with an average depth of seven feet containing 234,901 cubic yards of peat moss yielding 11,745 tons, and 4.5 acres with an average depth of nine feet containing 65,340 cubic yards yielding 3,267 tons of peat moss. The total for this bog is 15,012 tons.

Description and Vegetation

This bog is relatively uniform over its surface with no pronounced doming. The surface is generally quite dry but a few sections show water near the surface with the moss being somewhat humified.

The principal forms of vegetation are Sphagnum and Hypnum mosses and Cotton Grass. Near the perimeter of the bog, Sedges and small bushes were predominant. Assessment of the condition of the surrounding vegetation suggests that this area was subjected to a forest fire in recent years. This condition was also in evidence near Bog #528.

Drainage

Two possible drainage points may be employed on this bog. The first possible pattern is in an easterly direction from BL:A (see Map #13) through low areas to the shoreline from Fisherman's Harbour. The second drainage possibility is from the east boundary of this bog where a considerable drop in elevation occurs; however, the vegetation is quite dense and may cause considerable difficulty in establishing a drainage pattern.

Analytical

The quality of the peat moss was not consistently good over any extended depth. This factor could be due in part to the fire in the area. The analyses of the samples taken from this peat moss occurrence are shown on Table 13.

Bog #528

Location and Size

Peat Bog #528 was the second in the series of peat moss occurrences surveyed in the Fisherman's Harbour area (see Map #13). This bog has an area of approximately 14 acres. Of this area, 6.1 acres have a depth of less than five feet; 5.0 acres have a depth of between five and 10 feet; and 2.8 acres have a depth of 10 feet or over. There are no depths recorded over 15 feet.

Accessibility

This bog is easily accessible from Bog #530, joined by a footpath to the south (see Map #13). Bog #530 has access from Fisherman's Harbour.

Volume

Excluding the acreage of peat less than five feet in depth and allowing for two feet of shrinkage in depth after drainage, there is available five acres with an average depth of six feet containing 48,400 cubic yards of peat moss yielding 2,240 tons; 2.8 acres with an average depth of eight feet containing 36,138 cubic yards of peat moss yielding 1,806 tons.

General Description

This bog and Bog #530 were surveyed in detail to supplement the acreage found in Bog #526. All three peat moss occurrences are quite similar in appearance except that Bogs #528 and #530 are quite highly domed. The vegetation in all bogs is similar in all cases.

Drainage

Both Bogs #528 and #530 appear to have good natural drainage with the possibility of draining both occurrences to the south.

Bog #530

Location and Size

The occurrence of Bog #530 is the nearest of Bogs 526, 528 and 530 to Fisherman's Harbour. This bog has an area of 21.2 acres. Of this area, it was assumed, due to the survey procedure and size of the bog that all 21.2 acres would have an average depth of between five and 10 feet.

Accessibility

This bog is accessible by a foot path from Fisherman's Harbour running parallel to the cemetery leading southwest from Fisherman's Harbour. This bog is approximately one-half mile from the village cemetery.

Volume

Assuming an average depth of six feet over the 21.2 acres, an estimate of the volume would yield 205,216 cubic yards yielding approximately 10,261 tons.

Analytical

Bog #528: The analyses of the samples taken from this bog indicate a fair quality to a depth of eight to nine feet where applicable (see Table 14).

Bog #530: The analyses of the samples taken from this bog resulted in some of the best quality peat moss in the area. The material from this peat moss occurrence would sufficiently supplement Bogs #528 and #526 as the quality is quite high (see Table 15).

PART 3 - 1966 SURVEY

INTRODUCTION

Introductory Statement

During the field season of 1966, the examination of peat moss occurrences continued in Guysborough County and extended into Antigonish, Pictou, Colchester and Cumberland Counties. This work was carried out by the Nova Scotia Department of Mines under a research agreement through A.R.D.A. to determine the location, size and quality of peat moss occurrences in the designated pilot area of northern Nova Scotia.

The overall purpose of this report is to describe and record the results obtained during the 1966 survey with respect to peat moss occurrences and areas covered.

Location

All field work involved in this third phase was carried out along (1) the eastern shore area of Guysborough County from Canso to Ecum Secum, (2) in the Mount William area of Pictou County, and (3) in the Diligent River area of Cumberland County (see Map #14). Most of the areas of Antigonish, Pictou, Colchester and Cumberland Counties were assessed on a reconnaissance basis. Detailed work was carried out where applicable.

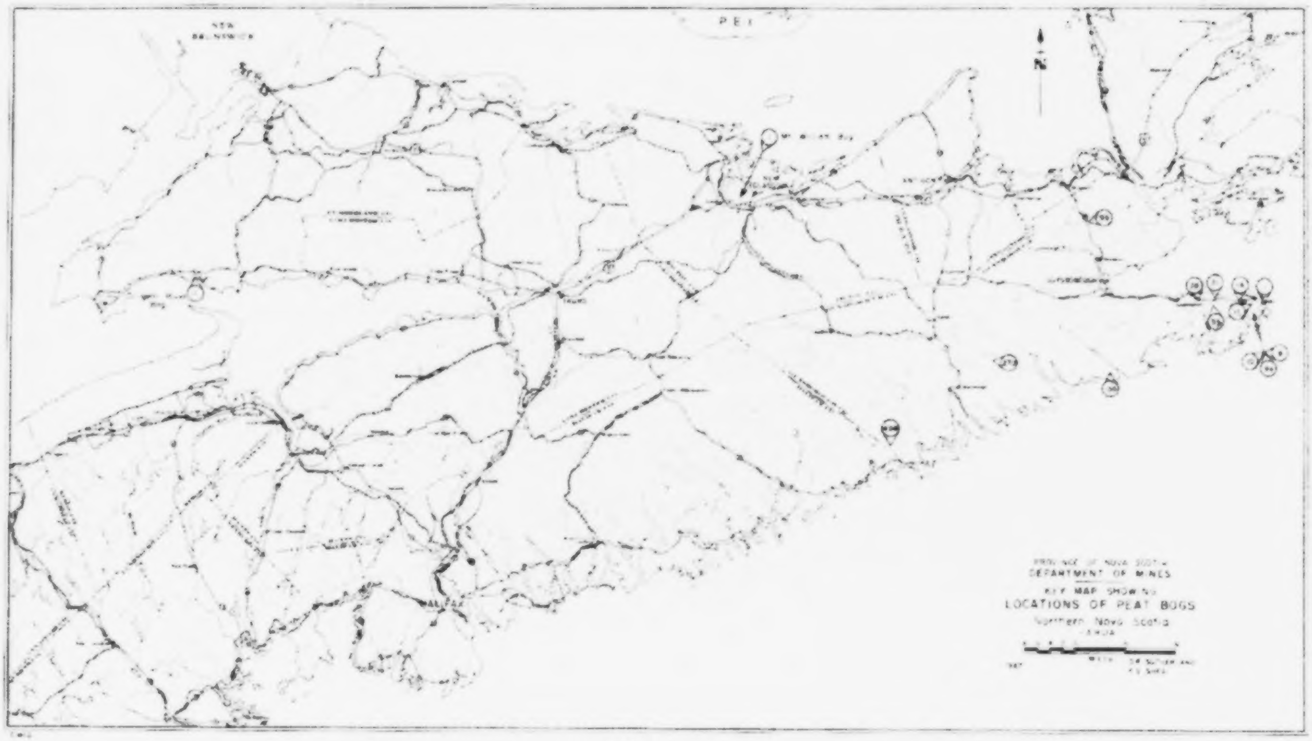
Transportation

The project area of Guysborough County, as surveyed in 1966, is serviced by two of the four major types of transportation: water and highway.

The survey area borders the Chedabucto Bay and the eastern shore of Nova Scotia, containing many small bays and inlets which make up the Atlantic coast of Guysborough County. Such a shoreline gives access to coastal and deep sea shipping. Docking facilities are available at Canso, New Harbour, Isaac's Harbour, Port Bickerton and other fishing communities along this shoreline.

Guysborough County is also serviced by three paved highways. Highway #16 is hard-surfaced from Canso to Monastery in Antigonish County; Highway #7 is paved from Antigonish through Sheet Harbour and thence to Dartmouth, Halifax County.

An unnumbered, paved highway also extends from Goshen, Guysborough County, through Country Harbour, Goldboro and Larry's River to Highway #16, approximately 10 miles south from Canso.


NEW BRUNSWICK
P.E.I.
N
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
KEY MAP SHOWING
LOCATIONS OF PEAT BOGS
Northern Nova Scotia
HALIFAX

MAP No. 14

The nearest Canadian National Railway is the main line from Truro to Sydney, passing through Antigonish and Monastery in Antigonish County.

The Mount William area surveyed in Pictou County is readily accessible by a gravel road which runs north from Highway #4, two miles west of New Glasgow. The nearest Canadian National Railways station is located at Stellarton with additional facilities at New Glasgow.

The Diligent River area surveyed in Cumberland County is serviced by Route 9, a hard surfaced highway running from Parrsboro to Advocate, Cumberland County.

Topography

Guysborough County

The local topography of Guysborough County is basically flat with occasional sharp ridges. In some areas a considerable amount of glacial debris occurs. In many areas in the vicinity of the bogs, outcrop or rubble outcrop consists of granite, slate or quartzite, and may comprise up to 60% of the area. In many instances, this bedrock is overlain by a shallow, rocky soil.

Many small streams and rivers occur throughout this part of the project area. In some instances, these streams and rivers act as possible drainage systems for swamps and peat bogs. Many small and large lakes also occur in this area and may act as a disadvantage to the drainage of some bogs.

Pictou County

The survey area in Pictou County is located within the Carboniferous uplands in the eastern part of the county. The area has drumlin-like hills which appear to be composed wholly of glacial material. River and stream action appears to have been the chief agent in shaping this topography. The bedrock structure in the area has been, in part, affected by folding and this, in conjunction with glacial scouring, helped in determining the drainage patterns.

Cumberland County

The Diligent River area of Cumberland County occupies the nearly level to undulating outwashed plains, river and delta-like terraces. The relationship of the existing till to bedrock is such as to suggest a glacial-residual soil. This soil is light textured, being developed over shaly, gravelly and stony parent material which in turn, was derived from grey shales of the Lower Carboniferous. In some cases Carboniferous sandstone material may predominate. It is also possible that some of the soil parent material may have originated with the igneous rocks of the Pre-Carboniferous.

In the Diligent River-Port Greville area, surface boulders or float are more numerous and poorly drained areas are more frequent than in other sections with this type of soil profile.

Acknowledgements

Administration of the project, as in 1964 and 1965, was through the Geological Division of the Nova Scotia Department of Mines. The members of the field crew who ably discharged their duties as assistants were as follows: Ernest W. Rafuse, senior assistant; Alexander Hamilton, Robert Fraser, and E. W. Farrell as junior assistants.

The Department of Mines wishes to express appreciation to the laboratory staff of the Department of Chemistry, Nova Scotia Agricultural College, Truro, for co-operation and prompt reporting of peat moss analyses.

Maps Prepared

Nineteen plans and cross-sections of the 1966 survey have been prepared, all of which, including a key map, constitute a part of this report.

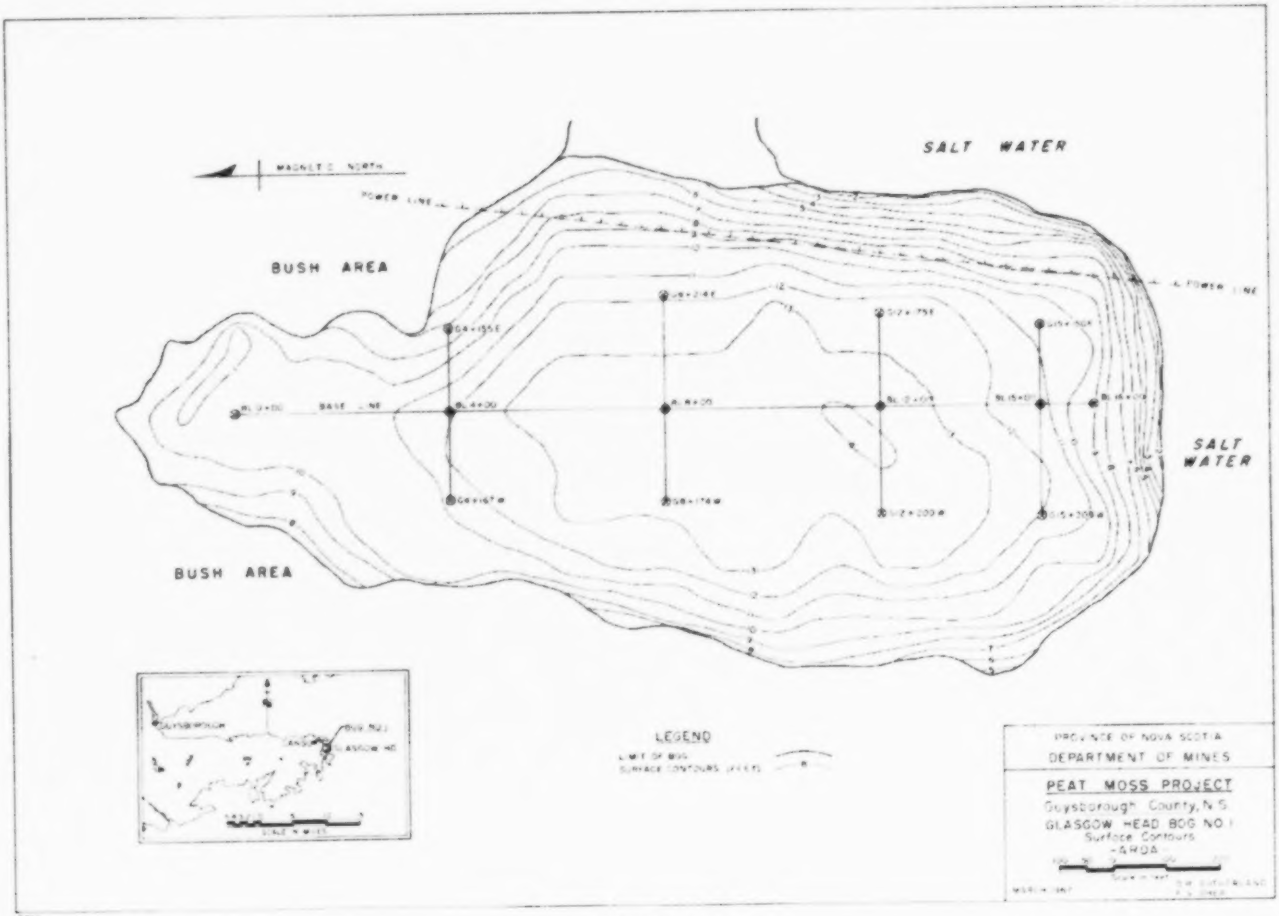
Each bog and cross-section prepared is shown individually, but two or more bogs may be shown on one map. The information includes subsurface contours, sampling, survey stations, and the limits of each bog.

DESCRIPTION OF PEAT BOGS

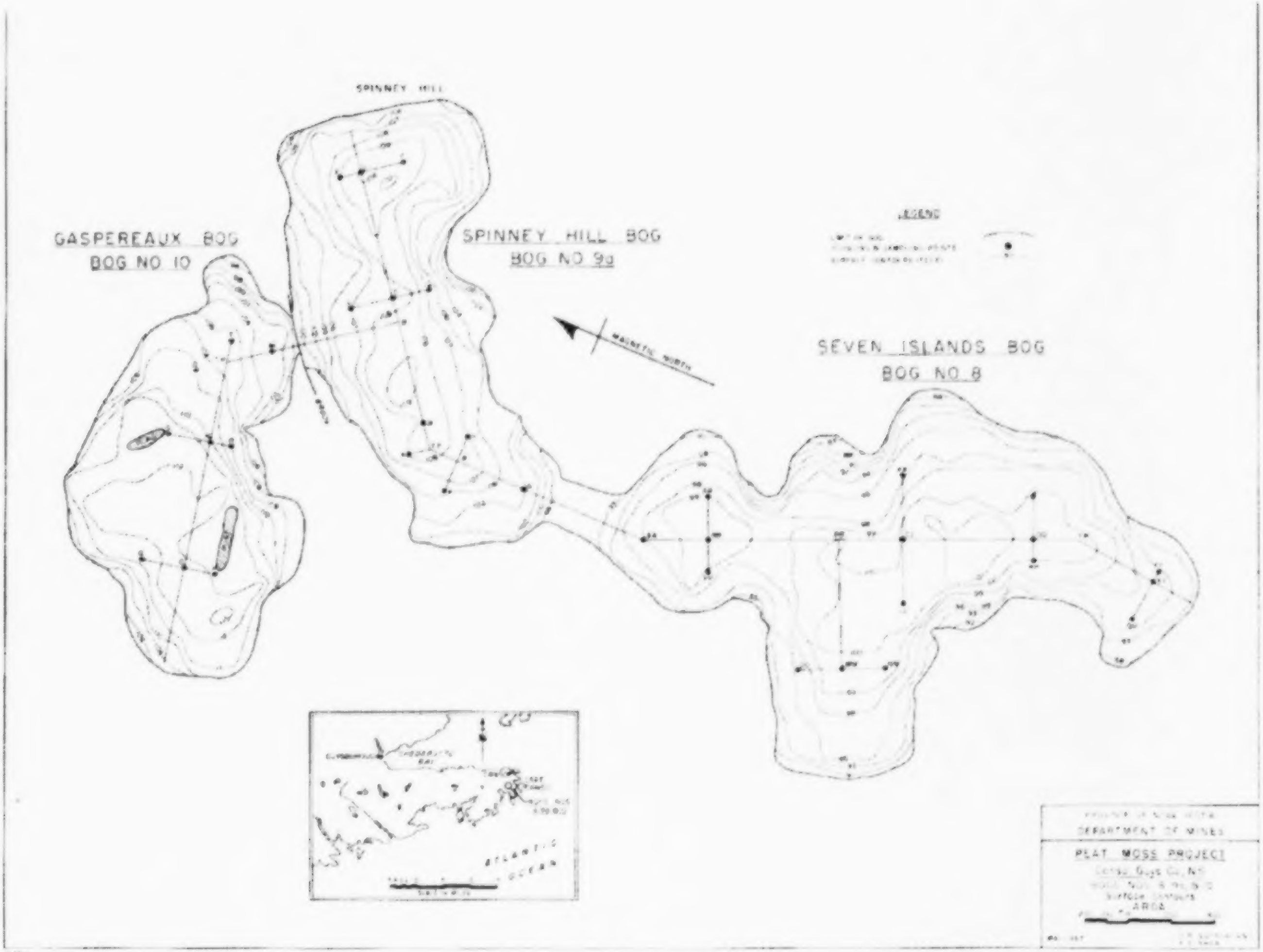
Extent of Survey - 1966

The 1966 peat moss survey began in early May in the vicinity of Half Island Cove, Guysborough County. Bog #28 was established for detailed examination and was assessed in detail. In the Canso-Half Island Cove area, a profile study was made on each bog previously assessed during 1965. A description of this work and the results will be treated further in this section.

Surface contouring was also completed in the Canso area and covered Bogs 1, 8, 9a and 10 (see Maps #15 and #16). These bogs were originally assessed in 1965.


SALT WATER
MAGNETIC NORTH
POWER LINE
BUSH AREA
BASE LINE
SALT WATER
BUSH AREA
LEGEND
LIMIT OF BOG
SURFACE CONTOURS (FEET)
GUYSBOROUGH
GLASGOW HD.
SCALE IN MILES
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
GLASGOW HEAD BOG NO. I
Surface Contours
-ARDA-
Scale in feet

MAP No. 15


SPINNEY HILL
GASPEREAUX BOG
BOG NO 10
SPINNEY HILL BOG
BOG NO 9a
LEGEND
MAGNETIC NORTH
SEVEN ISLANDS BOG
BOG NO 8
ATLANTIC OCEAN
DEPARTMENT OF MINES
PEAT MOSS PROJECT
AREA

MAP No. 16

Upon completion of the examination of the Canso area, the survey was extended to the New Harbour-Goldboro-New Chester areas on the eastern shore. Bog #156, on which an examination began in 1965, in this area, was completed and other new areas examined.

A reconnaissance examination of Antigonish County followed the Guysborough County survey. In Antigonish County, no peat bogs of sufficient size and quality were found to be of commercial significance; however, some may be suitable for cranberry production.

In Pictou County, one peat moss occurrence at Mount William, near New Glasgow, was examined and sampled. This was the only commercially important bog found in this county.

A reconnaissance survey of Colchester County showed no peat moss occurrences of commercial significance and thus the survey was moved to Cumberland County. In this county, one bog at Diligent River was assessed by preliminary sampling and other areas covered on a reconnaissance basis. More preliminary surveys will be needed in this county before it has been completely assessed.

The areas assessed in the five northern counties of mainland Nova Scotia on a reconnaissance basis were done so and established on the following observations:

(1) Inaccessibility - in some areas the bogs are extremely difficult to reach and must be classified as inaccessible from the commercial point of view;

(2) Lack of Size - all bogs examined, but not assessed in detail, with the exception of a small number, were too small to warrant a complete survey;

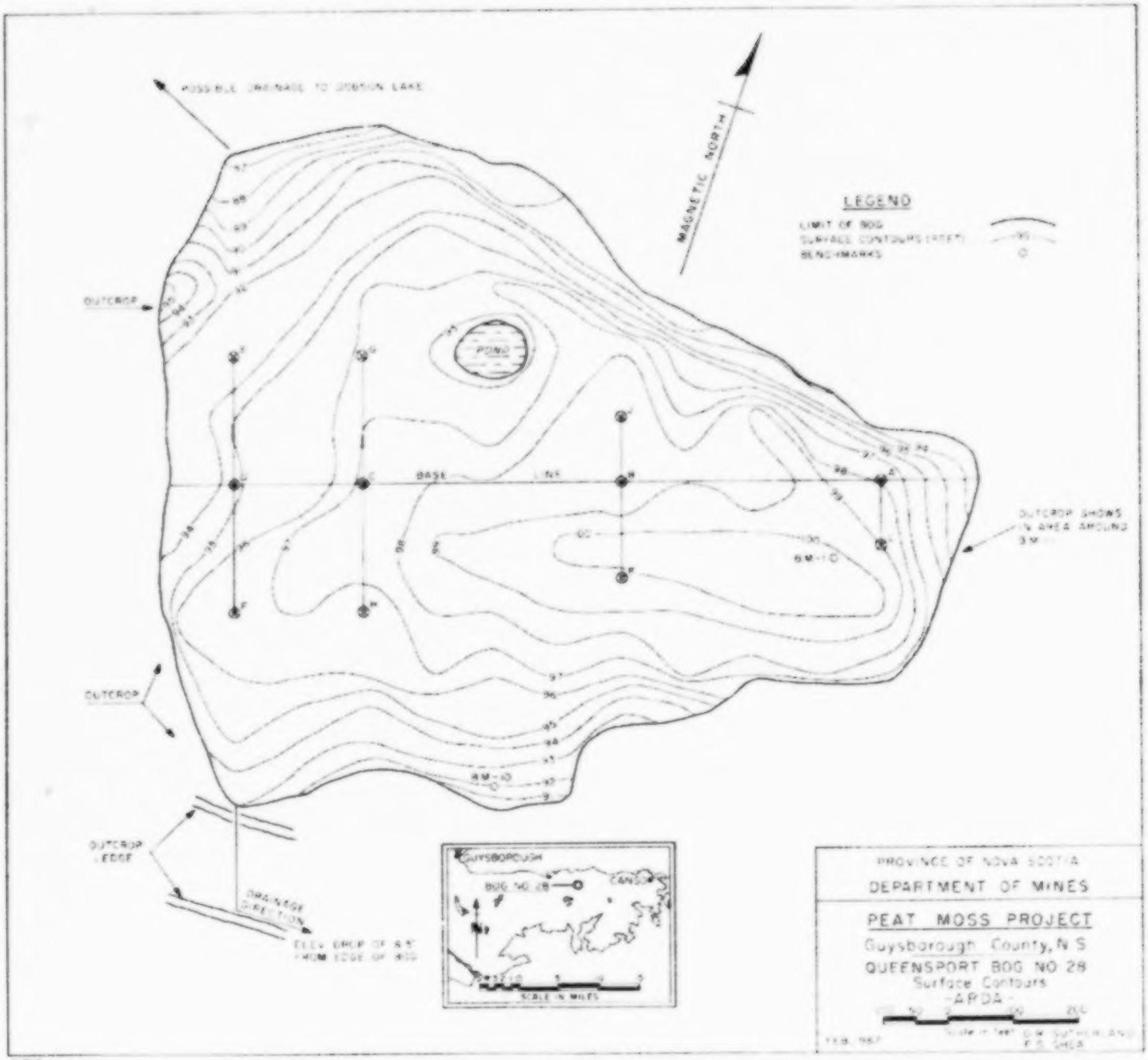
(3) Quality - in some areas, the bogs as examined were found to be either highly humified, very shallow or unusable swamps.

Guysborough County

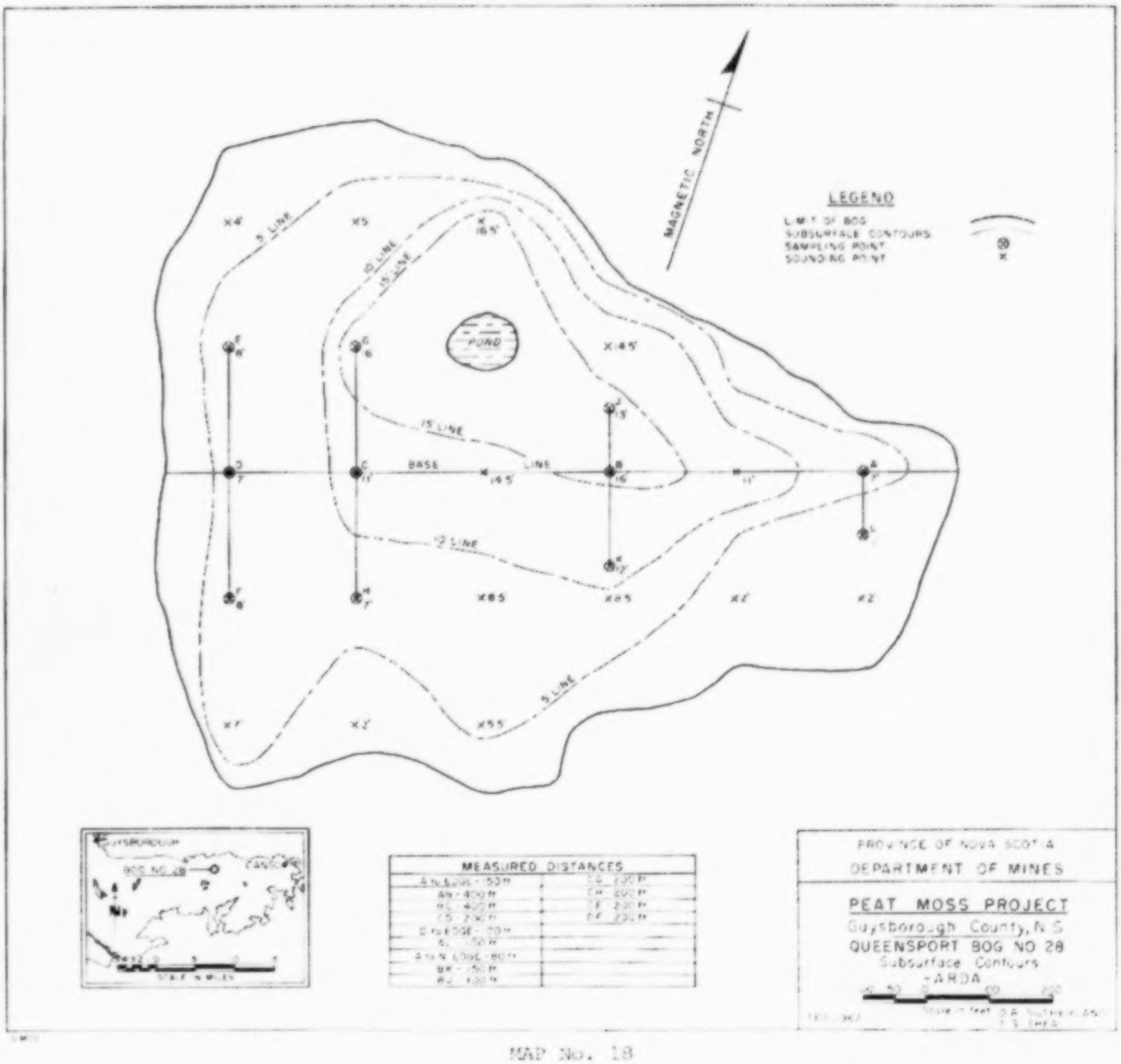
Queensport Bog #28

Location and Size

This bog is located on the west side of the main highway to Whitehead, approximately one-quarter of a mile from the junction at Highway #16, near Queensport (see Map #14). This bog has an area of 18.9 acres. Of this area, 7.6 acres have a depth of less than five feet; 6.3 acres have a depth of between five and 10 feet; 3.1 acres have a depth of between 10 and 15 feet; and 2.3 acres have a depth of more than 15 feet. The depths and acreages are shown on Maps 17 and 18.


POSSIBLE DRAINAGE TO DOBSON LAKE
MAGNETIC NORTH
LEGEND
LIMIT OF BOG
SURFACE CONTOURS (FEET)
BENCHMARKS
OUTCROP
POND
BASE LINE
BM-10
OUTCROP SHOWS IN AREA AROUND B.M.
OUTCROP
OUTCROP LEDGE
DRAINAGE DIRECTION
ELEV. DROP OF 8.5' FROM EDGE OF BOG
GUYSBOROUGH
BOG NO 28
CANSO
SCALE IN MILES
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
QUEENSPORT BOG NO 28
Surface Contours
-ARDA-
Scale in feet
FEB. 1967
D.M. SUTHERLAND
F.S. SHEA

MAP No. 17


MAGNETIC NORTH
LEGEND
LIMIT OF BOG
SUBSURFACE CONTOURS
SAMPLING POINT
SOUNDING POINT
POND
5' LINE
10' LINE
15' LINE
12' LINE
BASE LINE
×4'
×5
×16.5'
×14.5'
×14.5'
×11'
×8.5
×8.5
×2'
×2
×7'
×2'
×5.5'
F 8'
G 6'
J 13'
D 7'
C 11'
B 16'
A 7'
L 7'
K 12'
E 8'
H 7'
GUYSBOROUGH
BOG NO 28
CANSO
SCALE IN MILES
MEASURED DISTANCES
A to EDGE - 150 ft
AB - 400 ft
BC - 400 ft
CD - 200 ft
D to EDGE - 70 ft
AL - 150 ft
A to N EDGE - 80 ft
BK - 150 ft
BJ - 100 ft
CG - 200 ft
CH - 200 ft
DE - 200 ft
DF - 200 ft
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
QUEENSPORT BOG NO 28
Subsurface Contours
-ARDA
Scale in feet

MAP No. 18

Accessibility

This bog is easily accessible along a gully leading west from the Whitehead road, a distance of approximately 100 yards.

Volume

Excluding the acreage of peat moss less than five feet in depth and allowing two feet shrinkage in depth after drainage, there is available 6.3 acres with an average depth of eight feet containing 81,312 cubic yards of peat moss yielding 4,066 tons (shipping weight); 3.1 acres with an average depth of 12 feet containing 60,016 cubic yards of peat moss yielding 3,008 tons; and 2.3 acres with an average depth of 16 feet containing 59,370 cubic yards of peat moss yielding 2,968 tons. The total for this bog is 10,034 tons. (In determining the tonnage, the shipping weight of one cubic yard of peat moss was taken as 100 pounds. This standard will be applied to all peat moss occurrences treated in this report.)

Description and Vegetation

The surface of this bog is irregular with hollow and high points over most of its area. In the northwest corner of the bog, the elevation is quite low and on the east it exhibits a maximum rise in elevation where it forms over outcrop.

A liberal covering of Cotton Grass (Eriophorum) and Carex (many varieties) occurs on this bog. Other vegetation present is comprised of Pitcher Plant (Sarraceniaceae purpurea), Blueberry (Vaccinium), Cranberry (Vaccinium oxycoccus), Sedges, Hypnum mosses and Foxberry.

Drainage

Two possible drainage points may be developed or employed on this bog. The first is in a southerly direction from the west end of the bog (see Map #17) to a gully which has an east-west trend parallel to the bog. The second drainage possibility is in a westerly direction to Dobson Lake.

Analytical

Table 16 shows analyses of all samples taken from this bog. These results indicate a uniformity of peat moss throughout. The quality of this occurrence is considered typical of the bogs in the area.

Country Harbour Bog #270

Location and Size

Bog #270 is located on the west side of Country Harbour and approximately 4.5 miles from the harbour, at a point opposite Country Harbour Mines. This occurrence has an area of 64.4 acres (see Map #19).

Accessibility

This bog is readily accessible along a power line which runs from Forest Hill to Port Bickerton in Guysborough County. The part of Bog #270 as shown and examined represents only a small portion of the total area. The power line bisects that part of the bog surveyed.

Volume

Because there was no detailed subsurface contouring program carried out on this bog, no calculated tonnage figures of peat moss in place are available. However, an estimated tonnage, based on results obtained from bogs of similar size and depth previously surveyed, would place this bog at 30,000 tons.

Description and Vegetation

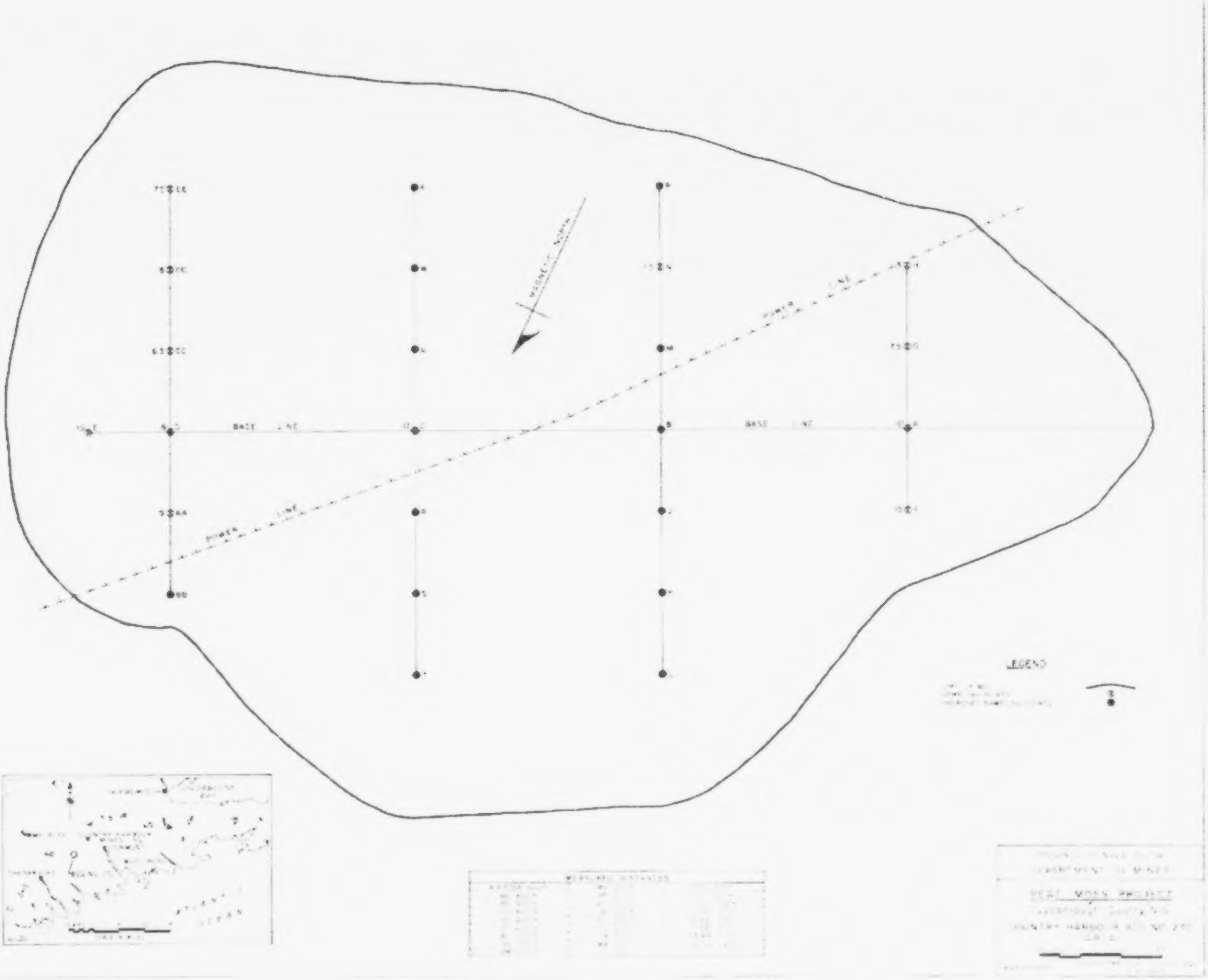
This occurrence is a domed sphagnum peat bog of the type common to the area. The surface is smooth and regular with no obvious mounds or hollows. Vegetation found on this bog included Sedges, Carex, Blueberry, Cranberry, Pitcher Plant and Labrador Tea.

Drainage

Drainage of this occurrence may be found and developed on the east or west boundary of the bog. The easterly drainage pattern affords the possibility of using a small brook which runs south from a small swamp near the bog. The westerly drainage pattern would employ a small gully which occurs near the bog.

Analytical

Analyses of all samples taken from this bog are listed in Table 17. A general resume would indicate that this bog contains a good quality peat moss, but has no great depth.


MAGNETIC NORTH
BASE LINE
BASE LINE
POWER LINE
POWER LINE
LEGEND
ATLANTIC OCEAN
DEPARTMENT OF MINES
PEAT MOSS PROJECT

MAP No. 19

New Chester Bog #496

Location and Size

This peat bog occurrence is located on the west side of a secondary (dirt) road which connects Ecum Secum, Halifax County to New Chester, Guysborough County (see Map #14). The bog is situated on this road approximately two miles north from Highway #7. The area of the bog is approximately 13.5 acres (see Map #20).

Volume

No detailed subsurface sounding program was carried out on this bog to permit a calculated tonnage. However, an estimate of the tonnage available would be in the range of 17,000 tons.

Description and Vegetation

The bog surface is generally uniform and free from any appreciable mounds or hollows. Towards station BL:C and D, there are a number of small, wet areas; however, these are not extensive and do not affect the total volume of this bog to any degree.

Generally, the surface consists of Sphagnum moss, Cotton Grass, Carex (many varieties), Pitcher Plant, Blueberry, Cranberry, Sedges and Hypnum mosses.

Drainage

Drainage patterns appear to be adequate to the north, east and west, although no level shots were established in these areas due to the heavy woods.

Analytical

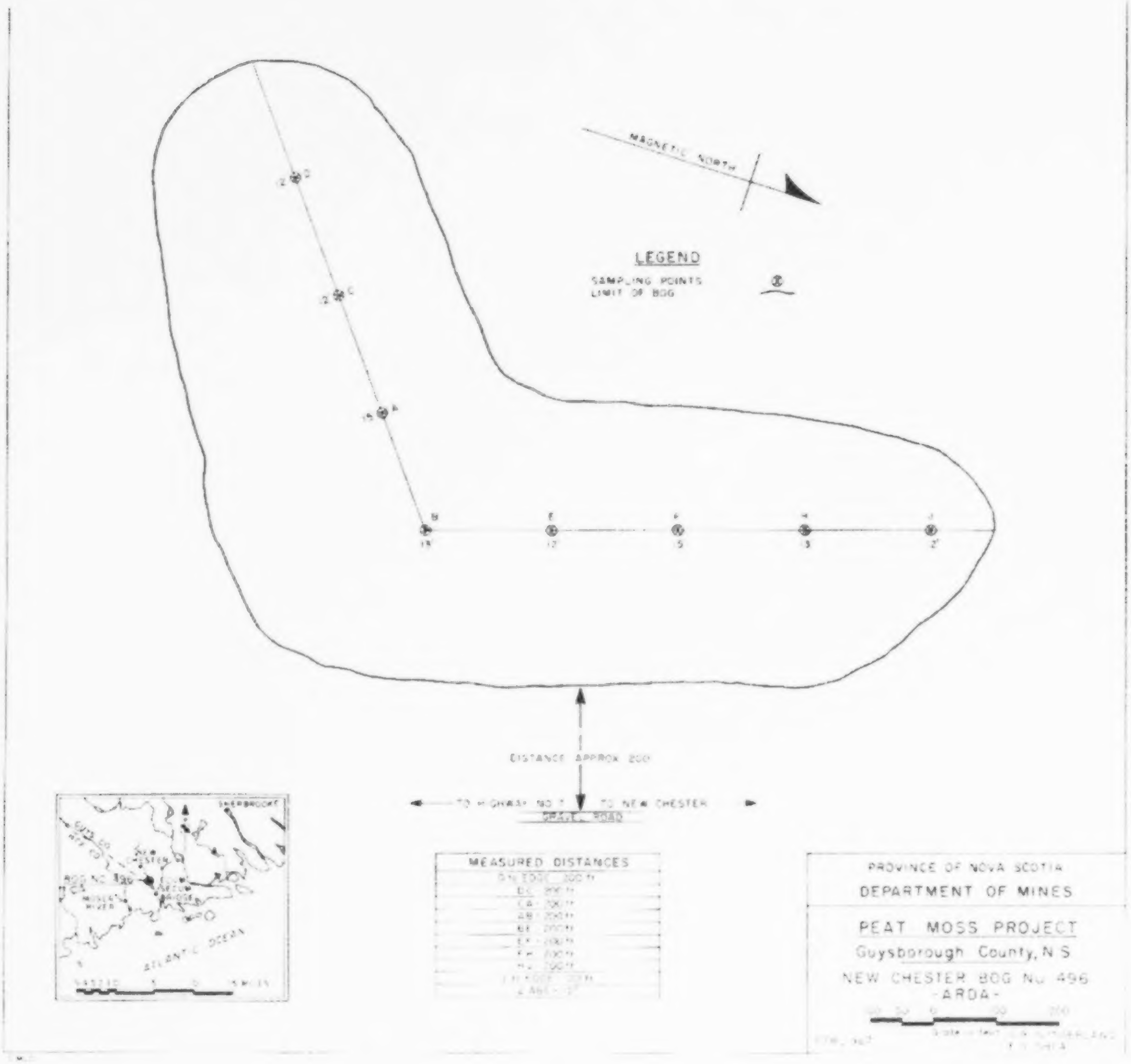
Table 18 shows the complete analyses from holes bored on this bog. The peat moss available over an appreciable depth appears to be of excellent quality with very little evidence of decomposition.

Pictou County

Mount William Bog #1

Location and Size

This peat moss occurrence is located on the east of the Mount William road, approximately one mile north of Highway #4 and its inter-

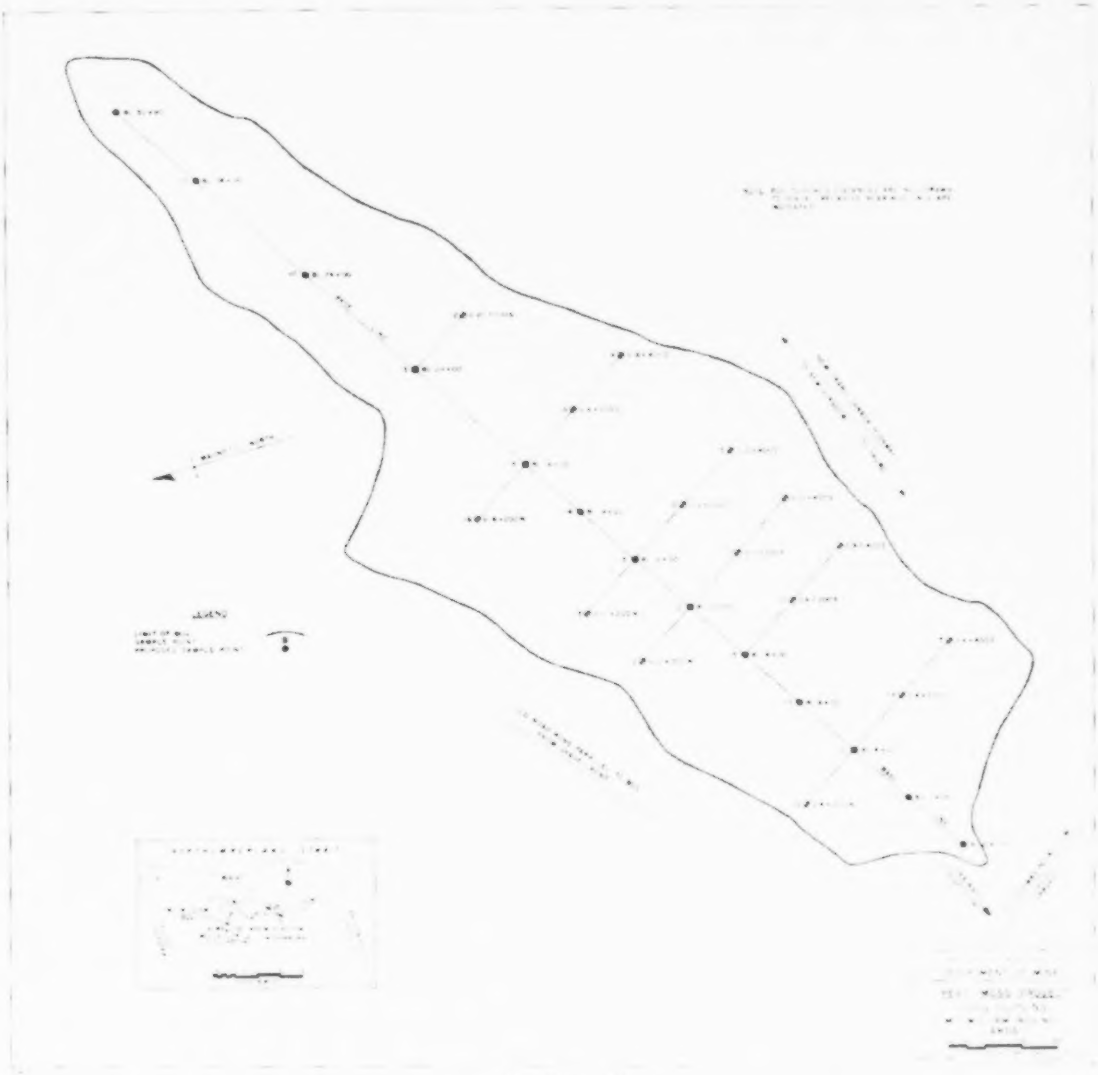

MAGNETIC NORTH
LEGEND
SAMPLING POINTS
LIMIT OF BOG
12 D
12 C
15 A
B 13
E 12
F 15
H 13
J 2'
DISTANCE APPROX 200'
TO HIGHWAY NO 7
TO NEW CHESTER
GRAVEL ROAD
SHERBROOKE
NEW CHESTER
BOG NO 496
MOSER RIVER
ECUM SECUM BRIDGE
ATLANTIC OCEAN
SCALE 5 0 5 MILES

MEASURED DISTANCES
D-N EDGE 200 ft
DC 200 ft
CA 200 ft
AB 200 ft
BE 200 ft
EF 200 ft
FH 200 ft
HJ 200 ft
J-E EDGE 100 ft
∠ ABE = [illegible]

PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES

PEAT MOSS PROJECT
Guysborough County, N.S.
NEW CHESTER BOG No 496
-ARDA-

100 50 0 100 200
Scale in feet
[illegible]


LEGEND
LIMIT OF BOG
SAMPLE POINT
PRINCIPAL SAMPLE POINT

MAP No. 21

section with Foster Avenue, Stellarton, Pictou County (see Map #14). This bog has an area of 38.41 acres (see Map #21).

Accessibility

This bog is readily accessible from an old access road which runs parallel to and on the north of this occurrence. This road connects with Mount William road and then to Trans Canada Highway #4 (see Map #21).

Volume

Although there were no detailed sounding programs carried out on this bog, the detailed sample program permits a reasonable tonnage figure to be calculated. An estimated tonnage figure based on this sampling and calculations from previous bogs of similar size and depth would be in the range of 28,000 tons.

Description and Vegetation

This bog exhibits a uniform surface over its entire area. It is somewhat different from other bogs assessed because of a predominant coverage of Labrador Tea over its surface. Also, in some sections of this occurrence, heavy growths of spruce are in evidence. Beneath the Labrador Tea covering, the surface moss is generally Sphagnum with some Sedges. Other vegetation includes Hypnum mosses, Carex and Pitcher Plant.

Drainage

The only available drainage pattern for this bog is in a westerly direction, along a line parallel to the base line and to a culvert under the Mount William road (see Map #21). From examination, this is considered to be a well established drainage pattern as the bog surface is generally dry and firm.

Analytical

Table 19 shows the results of the analyses from sampling of this bog. Although the results would suggest a reasonably good quality peat moss, almost all samples exhibited a high rate of decomposition.

Cumberland County

Diligent River Bog #1

This peat moss occurrence was examined at the request of local residents in the Diligent River area. The bog is in a new state of growth with no established quality for the sample taken. This bog exhibits none of the characteristics of an acid dome peat bog and, therefore, in accordance with the factors used in grading the moss available, the quality would have to be listed as being unsuitable.

The results of the samples taken from this occurrence are shown in Table 20. The bog has an area of 31 acres (see Map #22).

PROFILE DESCRIPTIONS

Glasgow Head Bog #1

The profile diagram of this bog was taken along Gridline 12, east and west (see Map #23). This survey shows that a drainage pattern is possible for only a part of the depth due to the proximity to tide-water near the east boundary of the bog. Refer to Part 2, Map #10, of this report for the plan of this bog.

Spinney Hill Bog #9a

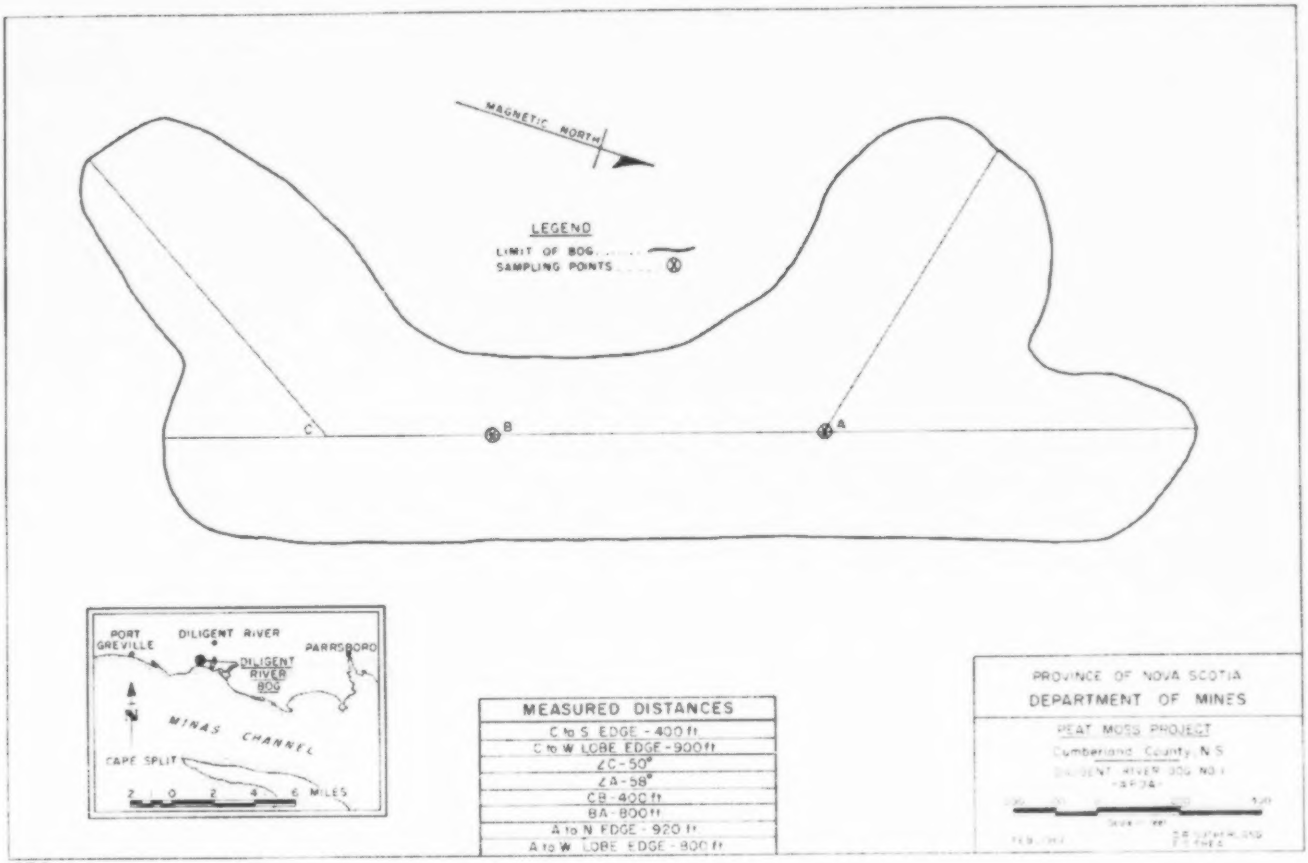
The profile diagram of this bog was taken along Gridline 18, north and south (see Map #24). This profile shows that the bog is uniform with the drainage pattern being to the north, east or west. Refer to Part 2, Map #11, of this report for the plan of this bog.

Lincolnville Bog #9b

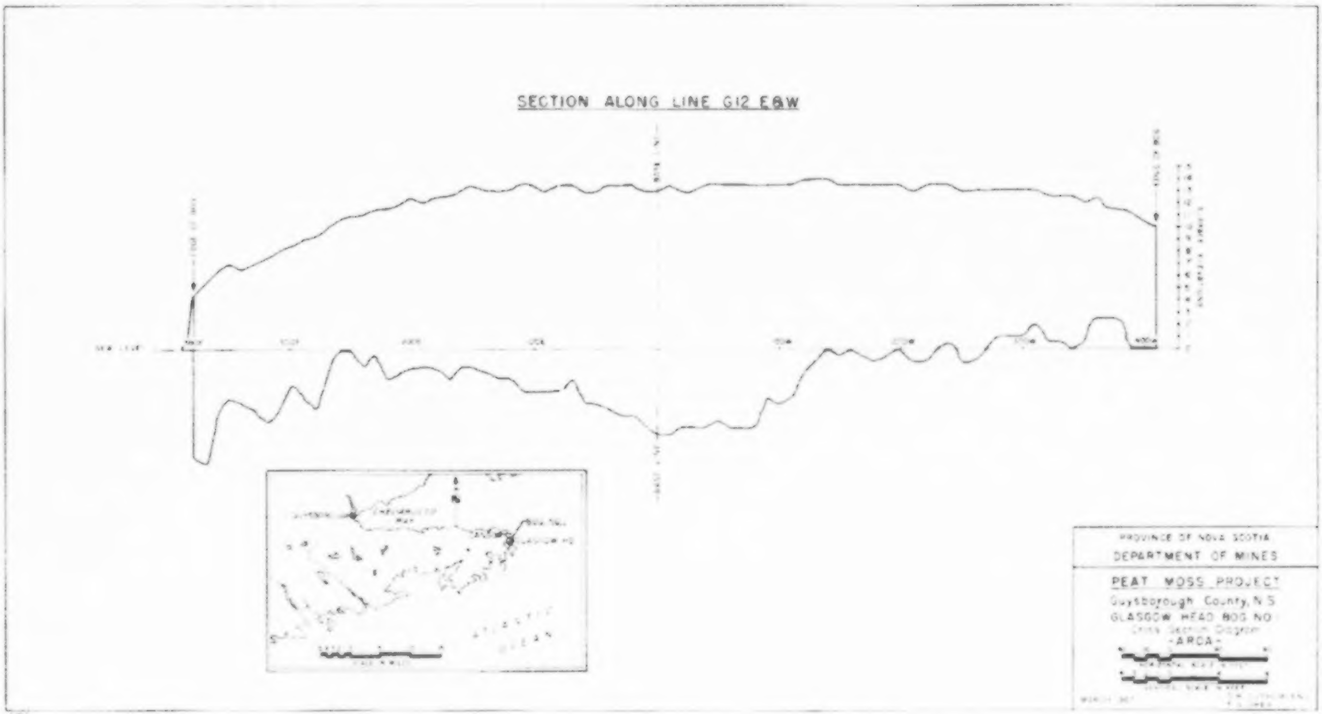
The profile diagram of this bog was taken along Gridline 8, east and west (see Map #25). The profile shows this bog to be quite uniform both on surface and in the subsurface contours. Refer to Part 1, Map #8, of this report for the plan of this bog.

Gaspereau Bog #10

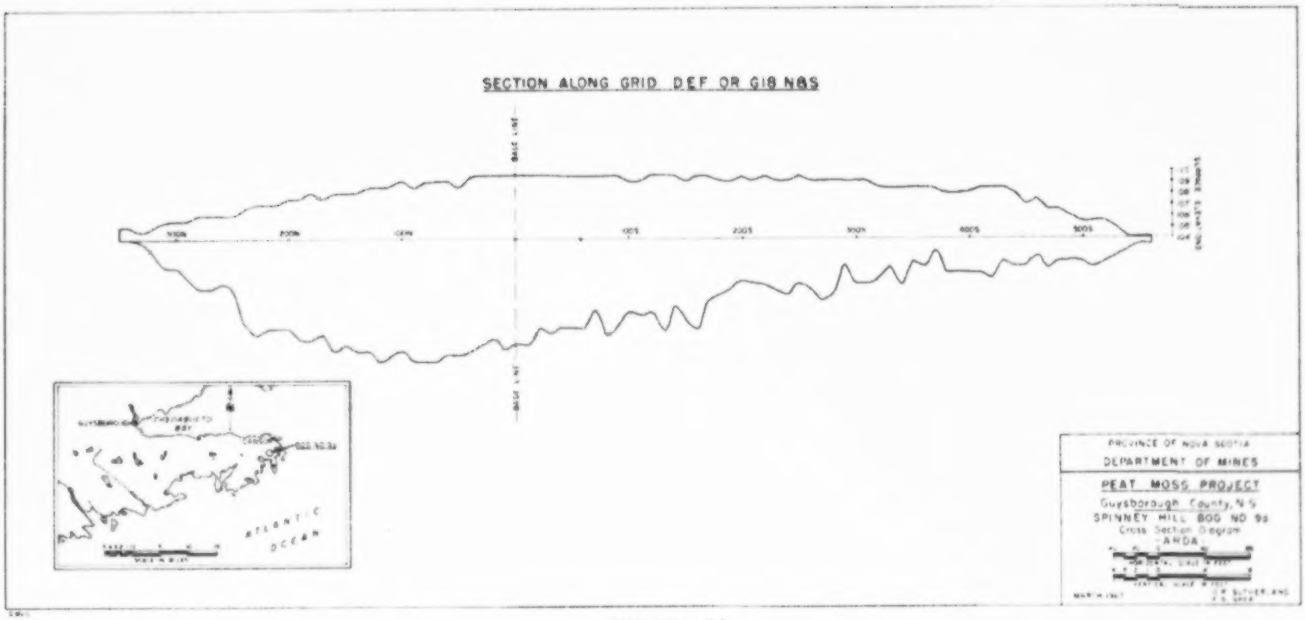
The profile of this bog was taken along a north-south line through the Turning Point, located on base line T.N.O. (see Map #26). Refer to Part 2, Map #11, of this report for the plan of this bog. The drainage pattern of this bog is to the south and west.


MAGNETIC NORTH
LEGEND
LIMIT OF BOG
SAMPLING POINTS
C
B
A
PORT GREVILLE
DILIGENT RIVER
DILIGENT RIVER BOG
PARRSBORO
N
MINAS CHANNEL
CAPE SPLIT
2 0 2 4 6 MILES
MEASURED DISTANCES
C to S EDGE - 400 ft
C to W LOBE EDGE - 900 ft
∠C - 50°
∠A - 58°
CB - 400 ft
BA - 800 ft
A to N EDGE - 920 ft
A to W LOBE EDGE - 800 ft
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Cumberland County, N.S.
DILIGENT RIVER BOG NO. 1

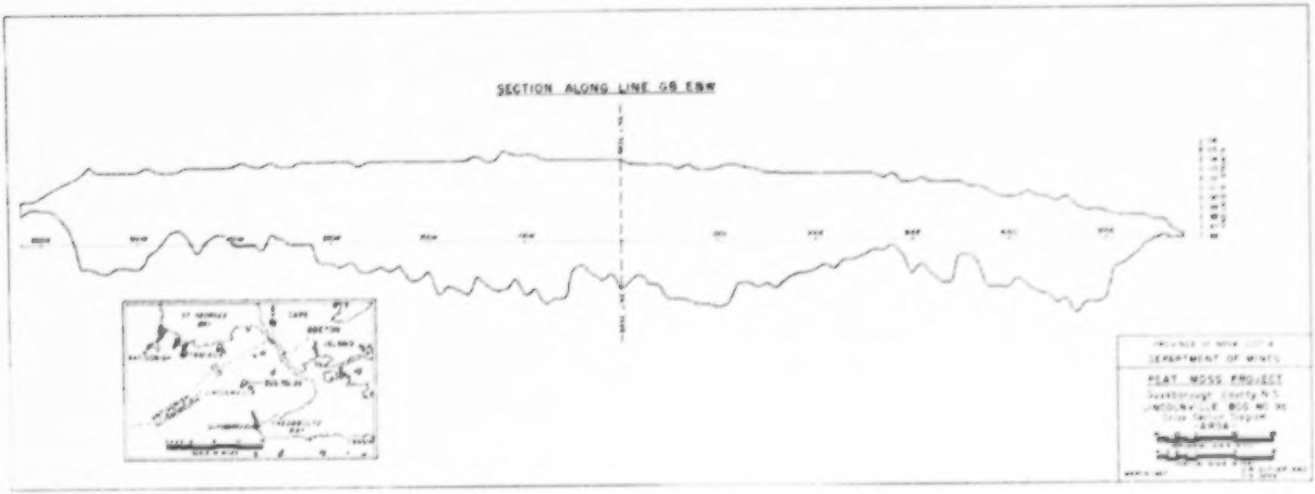
MAP No. 22


SECTION ALONG LINE G12 E&W
SEA LEVEL
ATLANTIC OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
GLASGOW HEAD BOG NO.
Cross Section Diagram
-AREA-

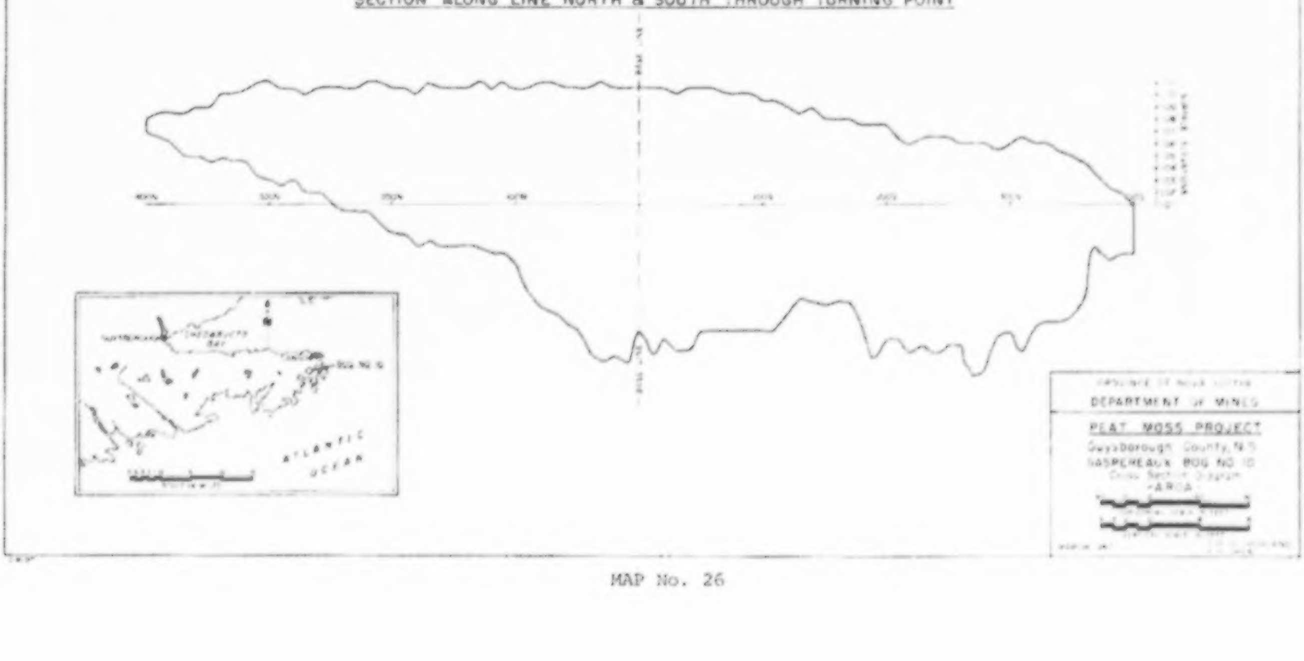
MAP No. 23


SECTION ALONG GRID DEF OR G18 NBS
BASE LINE
300N
200N
100N
100S
200S
300S
400S
500S
SURFACE ELEVATIONS
GUYSBOROUGH
CHEDABUCTO BAY
BOG NO.9a
ATLANTIC OCEAN
SCALE IN MILES
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
SPINNEY HILL BOG NO 9a
Cross Section Diagram
-ARDA-
HORIZONTAL SCALE IN FEET
VERTICAL SCALE IN FEET
MARCH 1967

MAP No. 24


SECTION ALONG LINE GB EBW
ST GEORGES BAY
CAPE BRETON ISLAND
ANTIGONISH
BOG No. 25
CHEDABUCTO BAY
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County N.S.
LINCOLNVILLE BOG NO. 25
Cross Section Diagram
AREA

MAP No. 25


SECTION ALONG LINE NORTH & SOUTH THROUGH TURNING POINT
ATLANTIC OCEAN
BAY
BOG NO. 10
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
GASPEREAUX BOG NO. 10
Cross Section Diagram
AREA

MAP No. 26

Canso Bog #11

The profile diagram for this bog was taken along Gridline 1846, north and south (see Map #27). This map shows the shape of the subsurface material, as compared to the surface elevations. This diagram will also assist in determing a drainage pattern for the area examined. Refer to Part 1, Map #3, of this report for the plan of this bog.

Three Mile Lake Bog #14

The profile diagram for this bog was taken along Gridline 4, north and south (see Map #28). This profile illustrates that the original drainage plan to the north would be impractical and the alternate drainage pattern to the west would be more advisable. Refer to Part 1, Map #4, of this report for plan of this bog.

Lily Pond Bog #21

The profile diagram for this bog was taken along Gridline 1971, north and south (see Map #29). The profile shows this bog to be uniform on surface and irregular at its base. A ridge of bedrock was determined at depth near the centre of this bog. Refer to Part 1, Map #5, of this report for the plan of this occurrence.

Queensport Bog #28

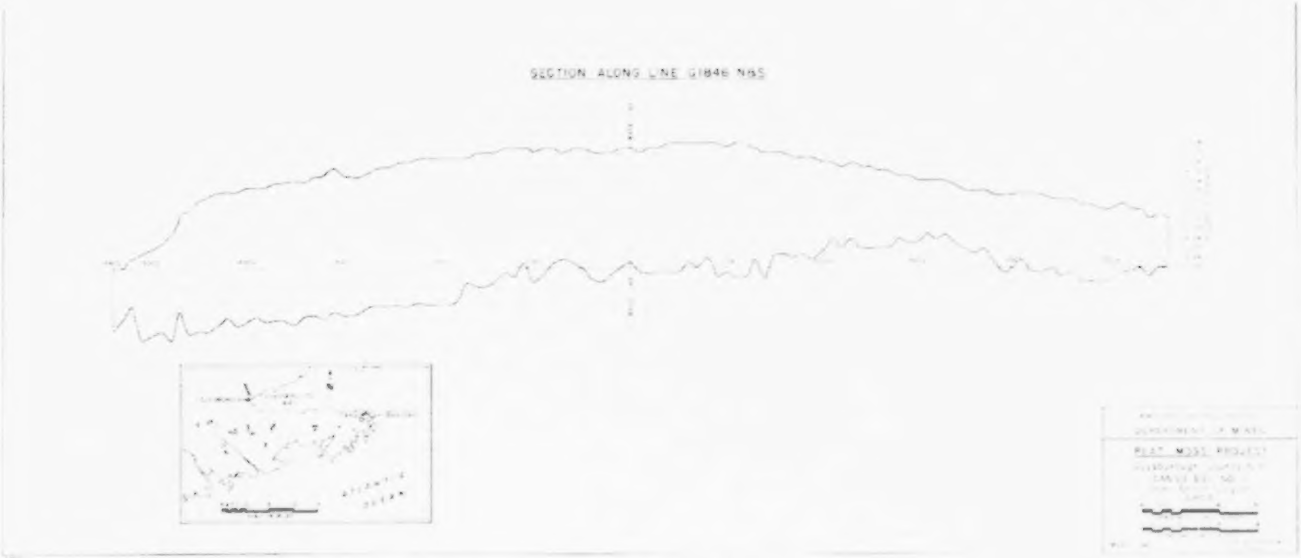
This profile was taken along Gridline 4, north and south (see Map #30). A study of profiles established the drainage pattern to be in a westerly direction, then to the south. Refer to Part 3, Map #17, showing the plan of this bog.

Reynolds Bog #33

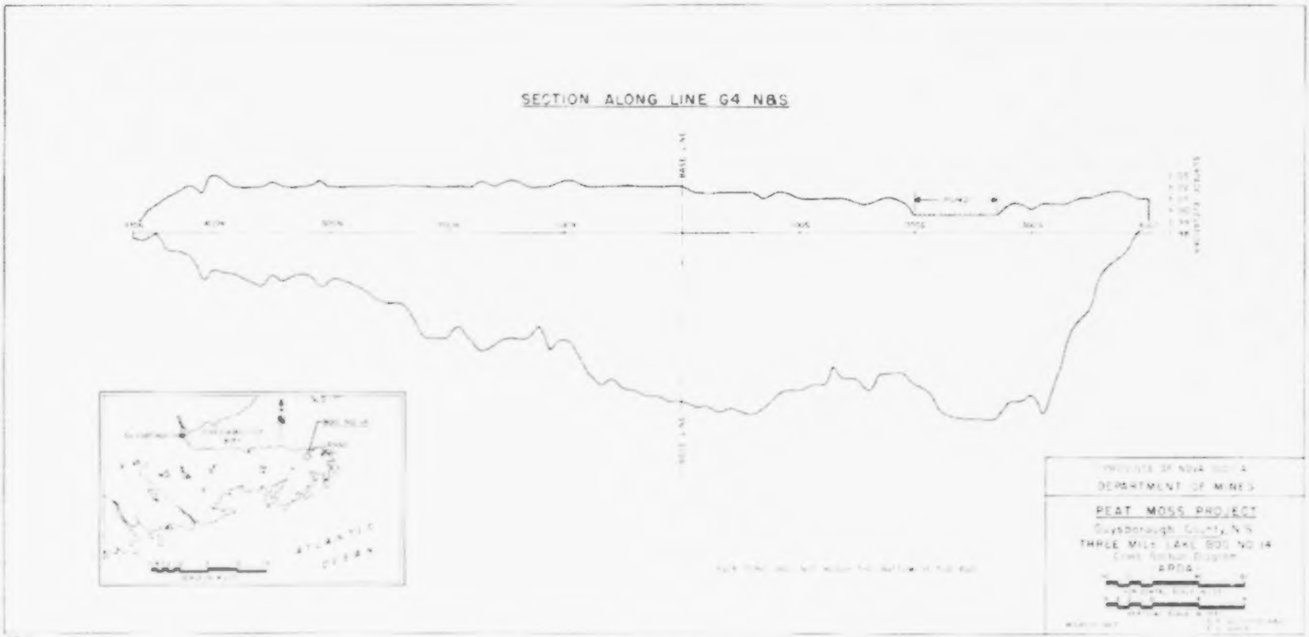
This profile diagram was taken along Gridline 4, east and west (see Map #31). The diagram shows this bog to be quite uniform on the surface and somewhat irregular at its base. Refer to Part 1, Map #7, of this report for the plan of this bog and suggested drainage patterns.

New Harbour Bog #156

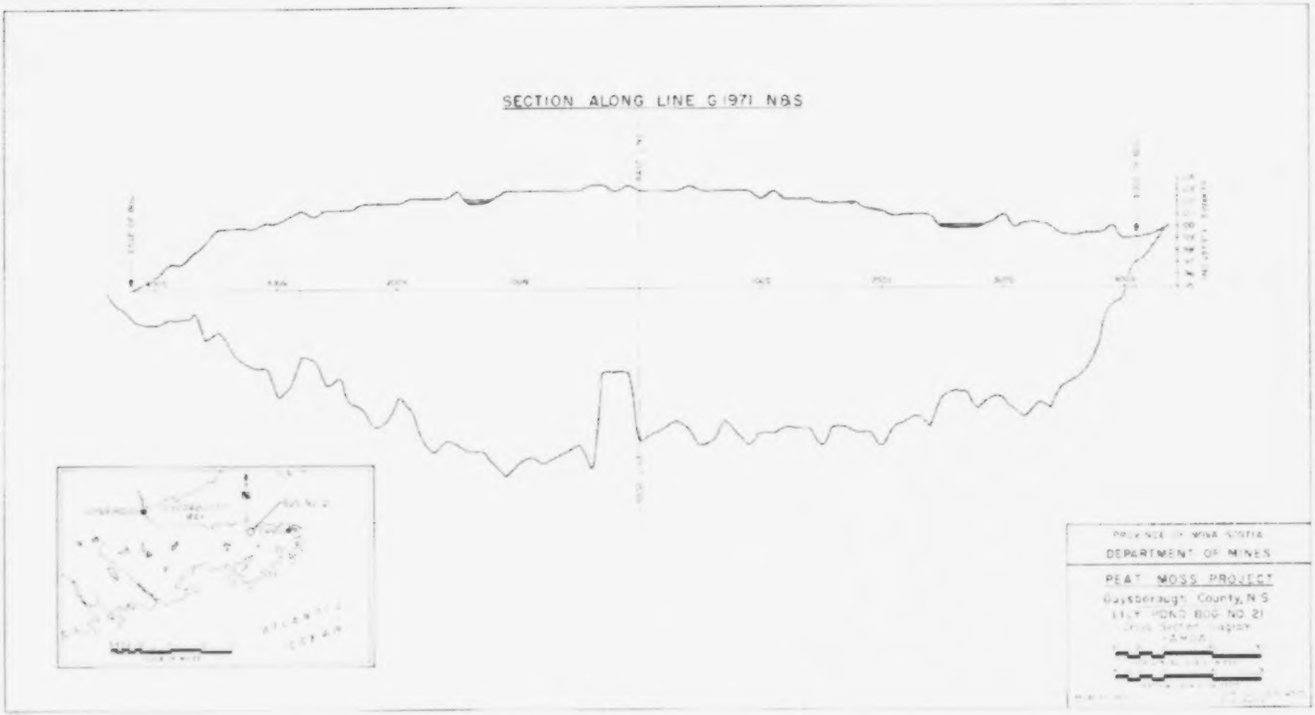
This profile was taken through Gridline 23, north and south (see Map #32). This diagram showed the bog to be uniform over most of its width on surface and at its base. Refer to Part 2, Map #12, of this report for the plan showing possible drainage patterns.


SECTION ALONG LINE G1846 N&S
ATLANTIC OCEAN
DEPARTMENT OF MINES
PEAT MOSS PROJECT

MAP No. 27


SECTION ALONG LINE G4 N&S
BASE LINE
POND
ATLANTIC OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
THREE MILE LAKE BOG NO. 14
Cross Section Diagram
ARDA
HORIZONTAL SCALE
VERTICAL SCALE

MAP No. 28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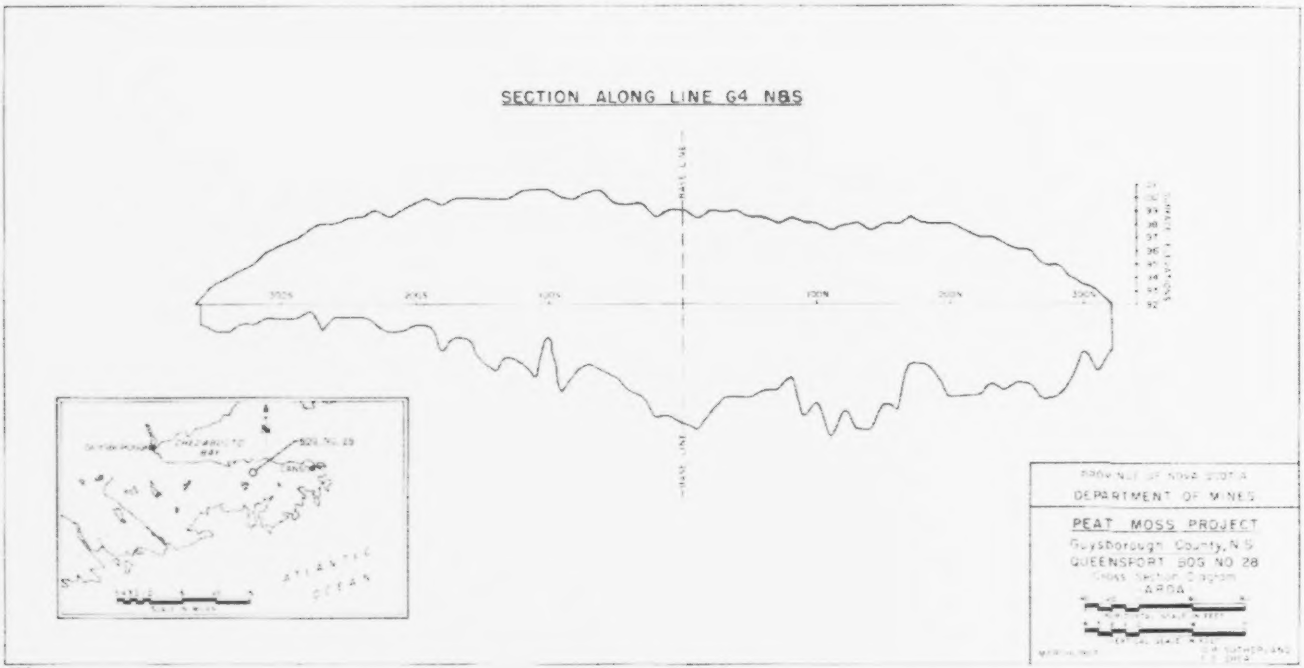
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N S
LILY POND BOG NO 21
Cross Section Diagram
ATLANTIC
OCEAN

MAP No. 29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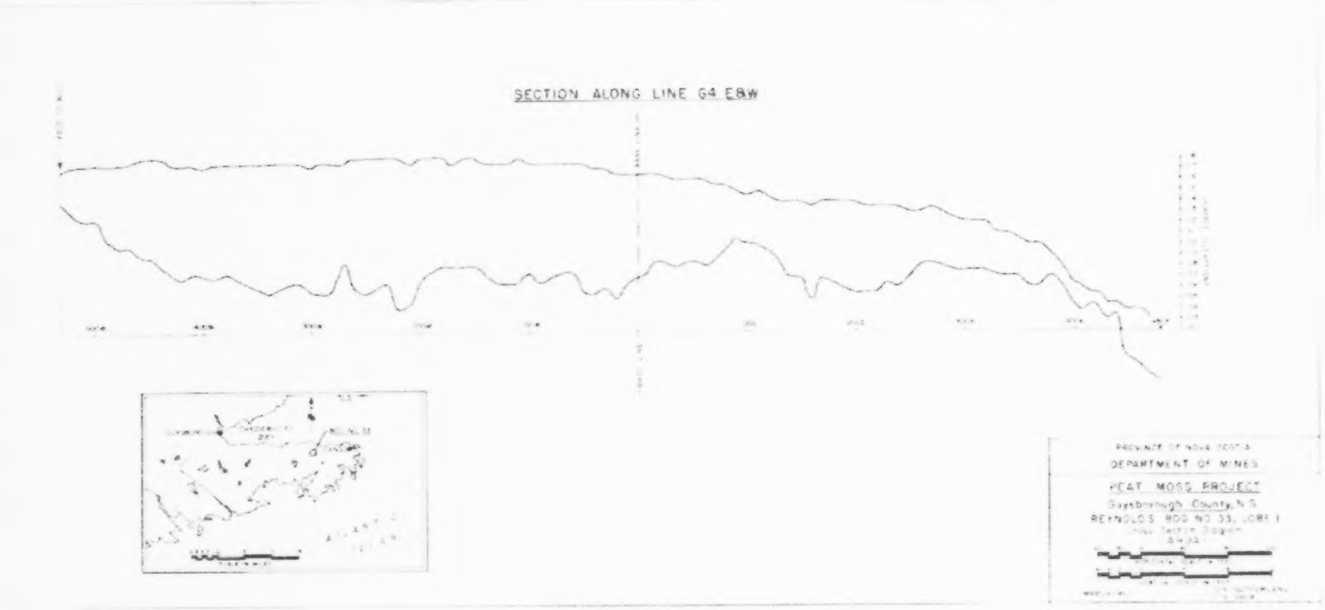
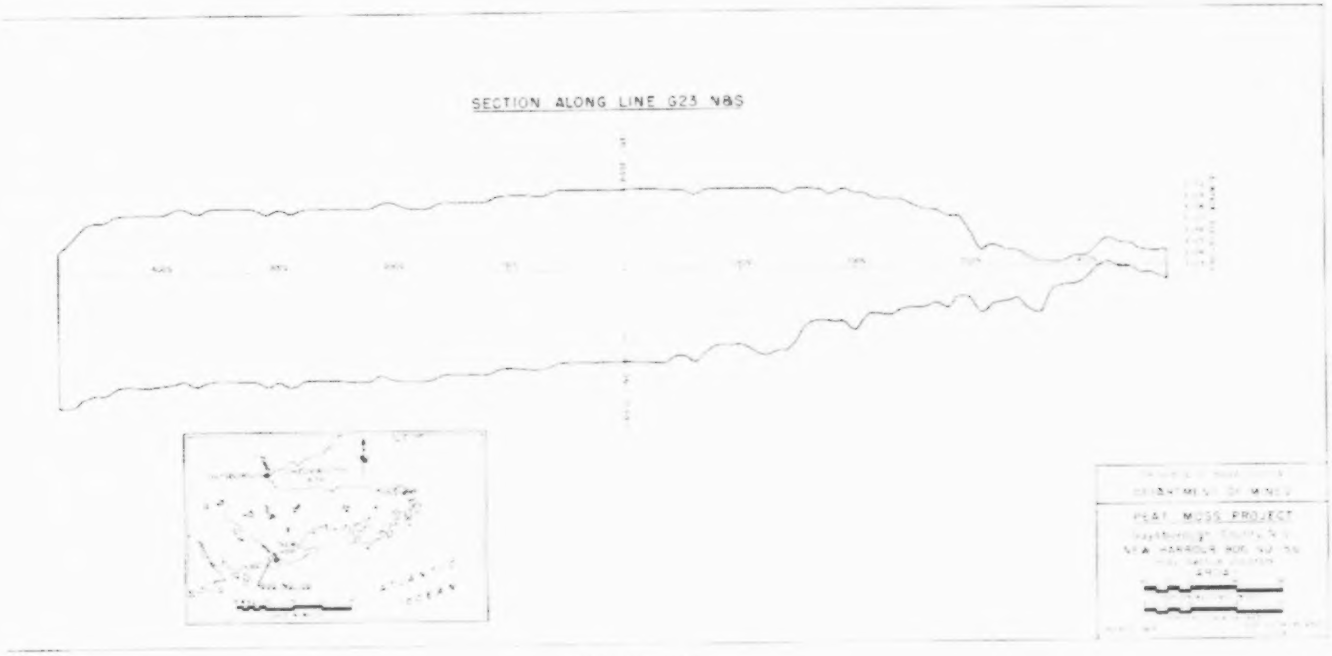
BASE LINE
300S
200S
100S
100N
200N
300N
SURFACE ELEVATIONS
CHEDABUCTO BAY
BOG NO. 28
ATLANTIC OCEAN
SCALE IN MILES
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
QUEENSPORT BOG NO 28
Cross Section Diagram
ARDA
HORIZONTAL SCALE IN FEET
VERTICAL SCALE IN FEET
D.W. SUTHERLAND

MAP No. 30


SECTION ALONG LINE G4 E&W
ATLANTIC OCEAN
PROVINCE OF NOVA SCOTIA
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County, N.S.
REYNOLDS BOG NO 33, LOBE I
Cross Section Diagram

MAP No. 31


SECTION ALONG LINE G23 N&S
DEPARTMENT OF MINES
PEAT MOSS PROJECT
Guysborough County N.S.
NEW HARBOUR BOG NO. 59
ATLANTIC OCEAN

MAP No. 32

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APPENDIX

Tables of Peat Bog Analyses

Part 1 - 1964 Survey

Table 1

Canso Bog - Guysborough Co., N.S.
Bog #11, Total Samples - 696
Chemical and Physical Analysis

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/1	BL0+00	0-10"	88.66	14.11
/2	BL0+00	10"-20"	89.48	14.83
/3	BL0+00	20"-30"	86.42	8.25
/4	BLO+00	30"-40"	88.70	8.67
/5	BL0+00	40"-50"	90.86	17.51
/6	BL0+00	50"-60"	91.02	12.92
/7	BL0+00	60"-70"	90.98	12.86
/8	BL0+00	70"-80"	90.28	6.79
/9	BL0+00	80"-90"	87.44	6.05
/10	BL0+00	90"-100"	87.34	7.27
/11	BL4+00	0-10"	93.54	16.09
/12	BL4+00	10"-20"	95.60	29.09
/13	BL4+00	20"-30"	95.34	22.31
/14	BL4+00	30"-40"	96.12	24.23
/15	BL4+00	40"-50"	91.62	15.51
/16	BL4+00	50"-60"	91.16	11.09
/17	BL4+00	60"-70"	91.12	11.71
/18	BL4+00	70"-80"	92.16	11.22
/19	BL4+00	80"-90"	95.00	18.00
/20	BL4+00	90"-100"	96.12	24.74
/21	BL4+00	100"-110"	92.26	12.66
/22	BL8+00	0-10"	94.12	24.66
/23	BL8+00	10"-20"	93.06	19.88
/24	BL8+00	20"-30"	91.30	20.69
/25	BL8+00	30"-40"	92.86	21.29
/26	BL8+00	40"-50"	91.24	20.09
/27	BL8+00	50"-60"	93.72	25.16
/28	BL8+00	60"-70"	91.42	20.28
/29	BL8+00	70"-80"	92.18	19.69
/30	BL8+00	80"-90"	92.60	23.78
/31	BL8+00	90"-100"	93.64	26.10
/32	BL8+00	100"-110"	93.80	34.52
/33	BL8+00	110"-120"	95.18	34.02
/34	BL8+00	120"-130"	94.94	33.20

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
10.58	98.23	1.77	3.8
11.12	98.52	1.48	3.8
6.19	96.21	3.79	3.9
6.50	97.57	2.43	3.8
13.13	96.08	3.92	3.9
9.69	94.78	5.22	4.2
9.64	91.55	8.45	3.9
5.09	89.21	10.79	4.3
4.54	86.15	13.85	4.3
5.45	85.33	14.67	4.6
12.07	93.72	6.28	4.2
21.82	97.31	2.69	4.4
16.73	98.31	1.69	4.5
18.17	98.07	1.93	4.5
11.63	97.75	2.25	4.5
8.32	98.00	2.00	4.4
8.78	93.87	6.13	4.5
8.42	95.35	4.65	4.6
12.00	96.50	3.50	4.8
18.56	96.77	3.23	4.9
9.50	95.66	4.34	5.2
18.50	98.27	1.73	4.1
14.91	98.49	1.51	4.2
15.52	98.62	1.38	4.4
15.97	98.82	1.18	4.2
15.07	98.67	1.33	4.2
18.87	98.70	1.30	4.2
15.21	98.60	1.40	4.2
14.77	98.71	1.29	4.2
17.84	98.75	1.25	4.1
19.58	98.64	1.36	4.2
25.89	98.39	1.61	4.4
25.52	98.78	1.22	4.5
24.90	98.76	1.24	4.3

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/35	BL8+00	130"-140"	95.34	32.35
/36	BL8+00	140"-150"	92.80	24.17
/37	BL8+00	150"-160"	92.60	25.41
/38	BL8+00	160"-170"	93.18	14.96
/39	BL8+00	170"-180"	91.82	9.78
/40	BL8+00	180"-190"	86.12	4.76
/41	BL12+00	0-10"	94.60	17.04
/42	BL12+00	10"-20"	93.14	19.53
/43	BL12+00	20"-30"	94.06	19.87
/44	BL12+00	30"-40"	94.26	26.13
/45	BL12+00	40"-50"	95.50	24.89
/46	BL12+00	50"-60"	96.50	28.00
/47	BL12+00	60"-70"	95.00	30.00
/48	BL12+00	70"-80"	95.60	27.73
/49	BL12+00	80"-90"	94.80	28.08
/50	BL12+00	90"-100"	95.30	28.09
/51	BL12+00	100"-110"	94.86	28.79
/52	BL12+00	110"-120"	95.44	26.32
/53	BL12+00	120"-130"	94.10	23.73
/54	BL12+00	130"-140"	95.06	27.94
/55	BL12+00	140"-150"	93.22	21.83
/56	BL12+00	150"-160"	94.00	22.33
/57	BL12+00	160"-170"	92.22	16.20
/58	Bl12+00	170"-180"	91.48	13.85
/59	BL12+00	180"-190"	90.74	10.37
/60	BL12+00	190"-200"	91.72	8.94
/61	BL12+00	200"-210"	86.62	6.59
/62	BL12+00	210"-220"	87.20	7.65
/63	BL12+00	220"-230"	92.30	10.39
/64	BL14+46	0-10"	96.40	16.11
/65	BL14+46	10"-20"	95.10	31.84
/66	BL14+46	20"-30"	94.04	24.49
/67	BL14+46	30"-40"	94.62	25.65
/68	BL14+46	40"-50"	93.74	30.35
/69	BL14+46	50"-60"	94.68	20.13
/70	BL14+46	60"-70"	93.02	22.64
/71	BL14+46	70"-80"	94.28	25.00
/72	BL14+46	80"-90"	91.70	20.00
/73	BL14+46	90"-100"	93.88	24.84
/74	BL14+46	100"-110"	93.68	24.68
/75	BL14+46	110"-120"	94.28	21.01

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
24.26	98.72	1.28	4.5
18.13	98.71	1.29	4.2
19.06	98.71	1.29	4.3
11.22	98.17	1.83	4.3
7.33	93.96	6.04	4.3
3.57	90.05	9.95	4.6
12.78	98.20	1.80	4.2
16.65	98.60	1.40	4.2
14.90	99.28	0.72	4.1
19.60	98.63	1.37	4.2
18.67	98.63	1.37	4.2
21.00	98.64	1.36	4.2
22.50	98.73	1.27	4.3
20.80	98.65	1.35	4.2
21.06	98.84	1.16	4.2
21.07	98.72	1.28	4.4
21.59	98.56	1.44	4.4
19.74	98.57	1.43	4.4
17.80	98.50	1.50	4.5
20.96	98.52	1.48	4.4
16.37	98.45	1.55	4.5
16.75	98.40	1.60	4.4
12.15	98.34	1.66	4.6
10.40	95.13	4.87	4.5
7.78	94.86	5.14	4.5
6.71	95.39	4.61	4.5
4.94	91.41	8.59	4.6
5.74	93.47	6.53	4.7
7.79	92.57	7.43	4.6
12.08	98.22	1.78	4.2
23.88	98.55	1.45	4.1
19.37	98.65	1.35	4.1
19.24	98.59	1.41	4.1
22.68	98.68	1.32	4.2
15.10	98.63	1.37	4.4
16.98	98.63	1.37	4.4
18.75	98.79	1.21	4.3
15.00	98.84	1.16	4.3
18.63	98.86	1.14	4.4
18.51	98.66	1.34	4.4
15.76	98.39	1.61	4.4

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/76	BL14+46	120"-130"	93.70	22.54
/77	BL14+46	130"-140"	88.22	8.56
/78	BL14+46	140"-150"	87.94	10.95
/79	BL14+46	150"-160"	91.76	11.89
/80	BL14+46	160"-170"	90.16	9.96
/81	BL18+46	0-10"	94.46	18.41
/82	BL18+46	10"-20"	87.20	14.13
/83	BL18+46	20"-30"	94.00	18.00
/84	BL18+46	30"-40"	94.56	22.43
/85	BL18+46	40"-50"	94.36	23.76
/86	BL18+46	50"-60"	94.30	23.51
/87	BL18+46	60"-70"	94.36	20.57
/88	BL18+46	70"-80"	95.16	22.31
/89	BL18+46	80"-90"	95.46	30.40
/90	BL18+46	90"-100"	94.72	23.11
/91	BL18+46	100"-110"	92.06	12.85
/92	BL18+46	110"-120"	89.50	10.10
/93	BL18+46	120"-130"	92.30	11.95
/94	BL18+46	130"-140"	95.68	14.35
/95	BL22+46	0-10"	95.54	21.88
/96	BL22+46	10"-20"	91.08	18.16
/97	BL22+46	20"-30"	94.98	20.32
/98	BL22+46	30"-40"	95.50	22.67
/99	BL22+46	40"-50"	93.56	19.44
/100	BL22+46	50"-60"	92.30	15.06
/101	BL22+46	60"-70"	94.60	20.37
/102	BL22+46	70"-80"	94.56	18.55
/103	BL22+46	80"-90"	94.62	20.82
/104	BL22+46	90"-100"	94.82	18.53
/105	BL22+46	100"-110"	92.76	20.99
/106	BL22+46	110"-120"	93.48	19.13
/107	BL22+46	120"-130"	93.86	12.38
/108	BL22+46	130"-140"	89.34	12.01
/109	BL26+46	0-10"	93.70	11.75
/110	BL26+46	10"-20"	95.56	32.60
/111	BL26+46	20"-30"	94.26	26.48
/112	BL26+46	30"-40"	93.78	26.37
/113	BL26+46	40"-50"	95.70	40.93
/114	BL26+46	50"-60"	92.84	19.83
/115	BL26+46	60"-70"	92.92	23.45

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.91	98.34	1.66	4.4
6.42	97.40	2.60	4.4
8.21	95.58	4.42	4.5
8.92	93.90	6.10	4.5
7.47	95.55	4.45	4.4
13.81	98.26	1.74	4.3
10.60	98.60	1.40	4.3
13.50	98.64	1.36	4.2
16.82	98.65	1.35	4.3
17.82	98.66	1.34	4.4
17.63	98.56	1.44	4.3
15.43	98.41	1.59	4.3
16.73	98.26	1.74	4.3
22.90	98.08	1.92	4.3
17.33	97.91	2.09	4.2
9.64	97.76	2.24	4.4
7.58	94.82	5.18	4.4
8.96	91.51	8.49	4.4
10.76	18.13	81.87	4.5
16.41	94.90	5.10	4.1
13.62	97.93	2.07	4.2
15.24	98.54	1.46	4.3
17.00	98.71	1.29	4.3
14.58	98.49	1.51	4.3
11.29	98.35	1.65	4.1
15.28	98.46	1.54	4.1
13.91	98.20	1.80	4.1
15.62	98.01	1.99	4.2
13.90	97.92	2.08	4.0
15.74	97.57	2.43	4.0
14.35	95.02	4.98	4.1
9.28	92.43	7.57	4.0
9.01	98.54	1.46	4.1
8.81	98.90	1.10	3.9
24.50	98.90	1.10	3.9
19.86	98.79	1.21	4.0
19.78	98.40	1.60	3.9
30.70	98.80	1.20	4.1
14.87	98.83	1.17	4.0
17.59	98.43	1.57	4.1

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/116	BL26+46	70"-80"	92.36	21.47
/117	BL26+46	80"-90"	93.38	22.66
/118	BL26+46	90"-100"	94.62	26.02
/119	BL26+46	100"-110"	94.50	25.09
/120	BL26+46	110"-120"	94.80	23.85
/121	BL26+46	120"-130"	92.56	18.82
/122	BL30+46	0-10"	94.86	21.79
/123	BL30+46	10"-20"	92.56	24.73
/124	BL30+46	20"-30"	95.54	18.39
/125	BL30+46	30"-40"	94.64	---
/126	BL34+46	0-10"	95.86	24.15
/127	BL34+46	10"-20"	95.46	27.31
/128	BL34+46	20"-30"	96.24	31.38
/129	BL34+46	30"-40"	94.14	26.75
/130	BL34+46	40"-50"	95.84	37.50
/131	BL34+46	50"-60"	94.98	27.29
/132	BL34+46	60"-70"	94.86	28.40
/133	BL34+46	70"-80"	94.84	25.19
/134	BL34+46	80"-90"	95.06	28.34
/135	BL34+46	90"-100"	95.78	23.22
/136	BL34+46	100"-110"	95.08	21.95
/137	BL34+46	110"-120"	96.00	24.50
/138	BL34+46	120"-130"	94.46	19.49
/139	BL34+46	130"-140"	93.64	12.26
/140	BL34+46	140"-150"	94.10	22.71
/141	BL34+46	150"-160"	93.92	30.88
/142	BL38+46	0-10"	94.82	25.48
/143	BL38+46	10"-20"	94.72	28.03
/144	BL38+46	20"-30"	95.08	26.02
/145	BL38+46	30"-40"	94.34	27.92
/146	BL38+46	40"-50"	94.68	25.94
/147	BL38+46	50"-60"	95.36	24.14
/148	BL38+46	60"-70"	94.64	31.34
/149	BL38+46	70"-80"	95.30	30.21
/150	BL38+46	80"-90"	92.48	8.78
/151	BL38+46	90"-100"	94.14	28.33
/152	BL38+46	100"-110"	94.60	21.11
/153	BL38+46	110"-120"	91.42	14.92
/154	BL38+46	120"-130"	90.28	7.00

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.10	98.40	1.60	4.0
17.00	98.40	1.60	4.2
19.52	98.24	1.76	4.1
18.82	98.16	1.84	4.1
17.89	97.22	2.78	4.0
14.12	97.65	2.35	4.2
16.34	98.72	1.28	4.0
18.55	98.56	1.44	4.1
13.79	98.82	1.18	4.0
--	98.22	1.78	3.9
18.11	98.42	1.58	3.9
20.48	98.47	1.53	4.0
23.54	98.51	1.49	4.1
20.06	98.67	1.33	4.1
28.13	98.68	1.32	4.2
20.47	98.73	1.27	4.2
21.30	98.52	1.48	4.1
18.89	98.66	1.34	4.2
21.26	98.54	1.46	4.2
17.42	98.51	1.49	4.2
16.46	98.09	1.91	4.2
18.38	98.25	1.75	4.2
14.62	97.96	2.04	4.2
9.20	97.97	2.03	4.1
17.03	97.74	2.26	4.2
23.16	83.69	16.31	4.4
19.11	98.02	1.98	3.9
21.02	98.63	1.37	3.9
19.52	98.76	1.24	3.9
20.94	98.76	1.24	4.0
19.46	98.90	1.10	4.0
18.11	98.67	1.33	3.9
23.51	98.77	1.23	4.1
22.66	98.72	1.28	4.1
6.59	96.32	3.68	3.9
21.25	98.71	1.29	4.3
15.83	98.46	1.54	4.1
11.19	98.03	1.97	4.1
5.25	93.03	6.97	4.2

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/155	G0+100W	0-10"	88.42	--
/156	G0+100W	10"-20"	89.60	12.88
/157	G0+100W	20"-30"	90.24	11.27
/158	G0+100W	30"-40"	92.40	16.58
/159	G0+100W	40"-50"	92.28	21.50
/160	G0+100W	50"-60"	92.88	19.94
/161	G0+100W	60"-70"	90.70	16.34
/162	G0+100W	70"-80"	90.32	8.47
/163	G0+100W	80"-90"	89.64	7.34
/164	G1+300W	0-10"	95.02	22.49
/165	G1+300W	10"-20"	95.60	25.91
/166	G1+300W	20"-30"	96.06	28.93
/167	G1+300W	30"-40"	94.86	28.02
/168	G1+300W	40"-50"	91.78	14.60
/169	G1+600W	0-10"	93.68	12.97
/170	G1+600W	10"-20"	94.22	7.61
/171	G1+600W	20"-30"	89.82	10.22
/172	G1+600W	30"-40"	90.54	9.30
/173	G4+100E	0-10"	94.34	17.67
/174	G4+100E	10"-20"	94.64	24.16
/175	G4+100E	20"-30"	93.36	24.10
/176	G4+100E	30"-40"	94.24	25.00
/177	G4+100E	40"-50"	94.06	23.91
/178	G4+100E	50"-60"	95.28	23.46
/179	G4+100E	60"-70"	93.98	18.60
/180	G4+100E	70"-80"	92.58	11.86
/181	G4+100E	80"-90"	95.16	30.58
/182	G4+100E	90"-100"	95.00	25.60
/183	G4+100E	100"-110"	93.26	16.02
/184	G4+139W	0-10"	95.00	14.80
/185	G4+139W	10"-20"	94.54	17.22
/186	G4+139W	20"-30"	92.42	14.25
/187	G4+139W	30"-40"	94.34	18.73
/188	G4+139W	40"-50"	93.94	17.49
/189	G4+139W	50"-60"	93.44	17.68
/190	G4+139W	60"-70"	93.42	15.81
/191	G4+139W	70"-80"	92.48	7.45
/192	G4+139W	80"-90"	90.28	6.79
/193	G4+139W	90"-100"	89.92	9.52

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	97.65	2.35	3.8
9.66	93.42	6.58	3.6
8.45	93.79	6.21	3.6
12.44	96.32	3.68	3.8
16.13	98.51	1.49	4.0
14.96	98.34	1.66	4.0
12.26	93.90	6.10	4.1
6.35	93.89	6.11	4.3
5.51	87.16	12.84	3.9
16.87	98.01	1.99	3.7
19.43	98.34	1.66	4.1
21.70	98.28	1.72	4.0
21.02	98.48	1.52	3.9
10.95	94.62	5.38	4.0
9.73	95.00	5.00	4.3
5.71	94.34	5.66	4.3
7.67	90.36	9.64	4.6
6.98	88.22	11.78	4.7
13.25	97.77	2.23	4.0
18.12	98.70	1.30	4.0
18.08	98.73	1.27	4.0
18.75	98.55	1.45	4.1
17.93	98.76	1.24	4.3
16.85	97.24	2.76	4.4
13.95	97.16	2.84	4.3
8.90	91.32	8.68	4.2
22.94	96.87	3.13	4.2
19.20	97.42	2.58	4.3
12.02	93.80	6.20	4.4
11.10	98.15	1.85	4.6
12.92	98.32	1.68	3.9
10.69	97.23	2.77	3.8
14.05	98.59	1.41	3.9
13.12	97.72	2.28	3.8
13.26	95.53	4.46	3.9
11.86	93.57	6.43	4.1
5.59	90.37	9.63	4.3
5.09	90.60	9.40	4.5
7.14	90.96	9.04	4.3

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/194	G4+139W	100"-110"	90.92	10.57
/195	G4+139W	110"-120"	93.54	8.05
/196	G8+200E	0-10"	96.56	16.86
/197	G8+200E	10"-20"	95.24	25.21
/198	G8+200E	20"-30"	95.36	23.71
/199	G8+200E	30"-40"	95.46	23.35
/200	G8+200E	40"-50"	95.70	30.23
/201	G8+200E	50"-60"	95.44	21.05
/202	G8+200E	60"-70"	95.14	25.93
/203	G8+200E	70"-80"	94.88	25.00
/204	G8+200E	80"-90"	93.52	14.51
/205	G8+200E	90"-100"	92.40	8.42
/206	G8+200E	100"-110"	89.54	9.94
/207	G8+200E	110"-120"	91.90	10.62
/208	G8+250W	0-10"	94.72	18.56
/209	G8+250W	10"-20"	93.44	17.07
/210	G8+250W	20"-30"	93.56	24.22
/211	G8+250W	30"-40"	92.94	17.00
/212	G8+250W	40"-50"	91.96	15.94
/213	G8+250W	50"-60"	92.38	18.64
/214	G8+250W	60"-70"	93.34	21.32
/215	G8+250W	70"-80"	93.96	23.03
/216	G8+250W	80"-90"	92.92	22.60
/217	G8+250W	90"-100"	94.88	27.34
/218	G8+250W	100"-110"	94.06	26.94
/219	G8+250W	110"-120"	94.98	28.69
/220	G8+250W	120"-130"	95.96	16.29
/221	G8+250W	130"-140"	93.34	9.31
/222	G12+150E	0-10"	94.48	21.38
/223	G12+150E	10"-20"	94.58	25.83
/224	G12+150E	20"-30"	94.52	30.29
/225	G12+150E	30"-40"	94.80	28.46
/226	G12+150E	40"-50"	94.18	30.58
/227	G12+150E	50"-60"	94.10	26.78
/228	G12+150E	60"-70"	93.64	25.79
/229	G12+150E	70"-80"	94.16	25.00
/230	G12+150E	80"-90"	93.74	24.92
/231	G12+150E	90"-100"	93.34	19.51
/232	G12+150E	100"-110"	94.84	24.12
/233	G12+150E	110"-120"	92.14	15.27

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
7.93	93.99	6.01	4.7
6.04	91.93	8.07	4.7
12.65	97.72	2.28	3.9
18.91	98.57	1.43	4.2
17.78	98.62	1.38	4.2
17.51	98.47	1.53	4.2
22.67	98.62	1.38	4.1
15.79	97.95	2.05	4.0
19.48	98.23	1.77	4.1
18.75	97.95	2.05	4.3
10.88	93.17	6.83	4.3
6.32	88.96	11.04	4.3
7.50	91.64	8.36	4.5
7.97	88.31	11.69	4.6
13.92	98.40	1.60	4.0
12.80	98.21	1.79	3.7
18.17	98.58	1.42	3.8
12.75	95.82	4.18	3.9
11.96	94.50	5.50	3.8
13.98	93.10	6.90	3.9
16.00	92.83	7.17	3.9
17.27	94.62	5.38	3.9
16.95	96.71	3.29	4.0
20.51	98.61	1.39	3.9
20.21	98.56	1.44	3.8
21.52	98.56	1.44	4.0
12.22	98.60	1.40	4.1
6.98	96.42	3.58	4.0
16.04	98.12	1.88	4.0
19.37	98.20	1.80	4.0
22.72	98.48	1.52	4.1
21.59	98.59	1.41	4.1
22.94	98.47	1.53	4.1
20.10	98.63	1.37	4.3
19.34	98.61	1.39	4.2
18.75	98.57	1.43	4.3
18.69	98.55	1.45	4.2
14.63	98.49	1.51	4.3
18.09	98.24	1.76	4.2
11.45	98.05	1.95	4.2

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/234	G12+150E	120"-130"	92.74	14.60
/235	G12+150E	130"-140"	93.94	9.24
/236	G12+150E	140"-150"	92.54	8.04
/237	G12+200W	0-10"	94.12	22.11
/238	G12+200W	10"-20"	94.80	25.00
/239	G12+200W	20"-30"	93.88	26.32
/240	G12+200W	30"-40"	94.14	28.27
/241	G12+200W	40"-50"	94.38	33.09
/242	G12+200W	50"-60"	95.46	36.12
/243	G12+200W	60"-70"	94.62	27.51
/244	G12+200W	70"-80"	95.04	27.42
/245	G12+200W	80"-90"	94.84	24.81
/246	G12+200W	90"-100"	95.50	26.22
/247	G12+200W	100"-110"	93.50	21.15
/248	G12+200W	110"-120"	94.54	24.54
/249	G12+200W	120"-130"	93.42	21.88
/250	G12+200W	130"-140"	93.18	14.96
/251	G12+200W	140"-150"	94.14	17.86
/252	G12+200W	150"-160"	91.32	5.76
/253	G1446+150E	0-10"	95.72	25.70
/254	G1446+150E	10"-20"	94.40	21.07
/255	G1446+150E	20"-30"	96.04	25.76
/256	G1446+150E	30"-40"	93.52	19.75
/257	G1446+150E	40"-50"	94.96	28.17
/258	G1446+150E	50"-60"	95.76	25.35
/259	G1446+150E	60"-70"	92.38	18.90
/260	G1446+150E	70"-80"	90.34	8.70
/261	G1446+150E	80"-90"	91.66	10.82
/262	G1446+150E	90"-100"	90.84	13.64
/263	G1446+150E	100"-110"	89.72	10.89
/264	G1446+150E	110"-120"	92.04	14.32
/265	G1446+150E	120"-130"	91.38	11.13
/266	G1446+200S	0-10"	92.38	17.32
/267	G1446+200S	10"-20"	94.32	25.35
/268	G1446+200S	20"-30"	93.96	23.51
/269	G1446+200S	30"-40"	94.40	23.57
/270	G1446+200S	40"-50"	94.06	24.92
/271	G1446+200S	50"-60"	94.58	25.46
/272	G1446+200S	60"-70"	94.84	29.46
/273	G1446+200S	70"-80"	94.64	25.37

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
10.95	97.15	2.85	4.3
6.93	96.81	3.19	4.3
6.03	67.46	32.54	4.3
16.58	98.32	1.68	4.0
18.75	98.27	1.73	3.9
19.74	98.50	1.50	3.9
21.20	98.65	1.35	4.0
24.82	98.69	1.31	4.1
27.09	98.80	1.20	4.2
20.63	98.79	1.21	4.2
20.57	98.69	1.31	4.1
18.08	98.52	1.48	4.1
19.67	98.49	1.51	4.1
16.61	98.40	1.60	4.1
18.41	98.14	1.86	4.1
16.41	98.22	1.78	4.2
11.22	97.81	2.19	4.1
13.40	97.48	2.52	4.2
4.32	10.84	89.16	4.8
19.28	93.84	6.16	4.2
15.80	97.82	2.18	4.0
19.32	98.11	1.89	4.2
14.81	98.55	1.45	4.0
21.13	98.71	1.29	4.2
19.01	98.36	1.64	4.2
14.18	97.98	2.02	4.3
6.53	97.14	2.86	4.4
8.12	96.47	3.53	4.3
10.23	95.85	4.15	4.5
8.17	96.02	3.98	4.7
10.74	96.13	3.87	4.8
8.35	89.78	10.22	4.9
13.00	98.22	1.78	3.8
19.01	98.54	1.46	3.7
17.63	98.39	1.61	4.0
17.68	98.31	1.69	3.9
18.69	98.36	1.64	4.0
19.10	98.36	1.64	4.1
22.10	98.25	1.75	4.1
19.03	98.18	1.82	4.1

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/274	G1446+200S	80"-90"	94.84	24.90
/275	G1446+200S	90"-100"	94.80	20.00
/276	G1446+200S	100"-110"	91.72	16.67
/277	G1446+200S	110"-120"	92.06	15.37
/278	G1446+200S	120"-130"	93.74	15.02
/279	G1446+200S	130"-140"	79.42	3.01
/280	G1446+400S	0-10"	94.14	14.00
/281	G1446+400S	10"-20"	90.72	16.38
/282	G1446+400S	20"-30"	93.40	21.21
/283	G1446+400S	30"-40"	94.32	23.24
/284	G1446+400S	40"-50"	94.14	26.96
/285	G1446+400S	50"-60"	95.22	25.94
/286	G1446+400S	60"-70"	94.32	26.41
/287	G1446+400S	70"-80"	95.02	22.49
/288	G1446+400S	80"-90"	94.96	21.43
/289	G1446+400S	90"-100"	95.42	25.33
/290	G1446+400S	100"-110"	94.32	18.66
/291	G1446+400S	110"-120"	91.10	15.73
/292	G1446+400S	120"-130"	93.26	18.69
/293	G1446+400S	130"-140"	94.04	22.82
/294	G1446+400S	140"-150"	91.44	16.12
/295	G1446+400S	150"-160"	91.20	12.50
/296	G1446+400S	160"-170"	90.10	10.51
/297	G1446+600S	0-10"	94.06	21.21
/298	G1446+600S	10"-20"	92.58	23.72
/299	G1446+600S	20"-30"	92.92	31.19
/300	G1446+600S	30"-40"	94.08	20.27
/301	G1446+600S	40"-50"	93.84	24.53
/302	G1446+600S	50"-60"	93.16	20.18
/303	G1446+600S	60"-70"	90.10	13.13
/304	G1446+600S	70"-80"	92.52	17.38
/305	G1446+600S	80"-90"	92.38	19.69
/306	G1446+600S	90"-100"	91.84	20.78
/307	G1446+600S	100"-110"	88.30	11.97
/308	G1446+600S	110"-120"	91.04	12.05
/309	G1446+600S	120"-130"	89.90	14.06
/310	G1446+600S	130"-140"	90.46	14.88
/311	G1446+600S	140"-150"	89.48	11.88
/312	G1446+600S	150"-160"	87.42	9.54
/313	G1446+600S	160"-170"	88.90	5.77
/314	G1446+600S	170"-180"	89.26	4.47

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.68	97.95	2.05	4.2
15.00	97.60	2.40	4.3
12.50	96.15	3.85	4.2
11.53	94.21	5.79	4.4
11.27	91.87	8.11	4.6
2.26	21.07	78.93	4.8
10.50	96.42	3.58	3.9
12.29	98.20	1.80	4.0
15.91	98.48	1.52	3.9
17.43	98.43	1.57	4.0
20.22	98.67	1.33	4.1
19.46	98.69	1.31	4.2
19.81	98.63	1.37	4.1
16.87	98.61	1.39	4.3
16.07	98.72	1.28	4.3
19.00	98.70	1.30	4.2
14.00	98.60	1.40	4.3
11.79	96.09	3.91	4.3
14.02	97.23	2.77	4.3
17.11	96.94	3.06	4.4
12.09	95.41	4.59	4.4
9.38	90.40	9.60	4.5
7.88	97.60	2.40	4.6
15.91	96.53	3.47	4.1
17.79	96.62	3.38	4.2
23.39	96.83	3.17	3.9
15.20	96.74	3.26	4.1
18.40	97.60	2.40	4.0
7.64	97.91	2.09	4.2
9.85	92.25	7.75	4.0
13.04	97.47	2.53	4.1
14.77	97.15	2.85	4.2
15.59	94.93	5.07	4.3
8.98	96.21	3.79	4.2
9.04	96.47	3.53	4.4
10.55	92.52	7.48	4.4
11.16	91.18	8.82	4.5
8.91	90.05	9.95	4.5
7.16	91.05	8.95	4.6
4.33	82.44	17.56	4.6
3.35	61.28	38.72	4.6

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/315	G1446+600S	180"-190"	86.26	3.20
/316	G1446+600S	190"-200"	80.08	1.61
Aux.				
/317	G1446+200S+85E	0"-10"	95.44	20.61
/318	G1446+200S+85E	10"-20"	91.29	18.41
/319	G1446+200S+85E	20"-30"	94.18	27.15
/320	G1446+200S+85E	30"-40"	94.44	23.74
/321	G1446+200S+85E	40"-50"	94.94	29.25
/322	G1446+200S+85E	50"-60"	93.60	17.19
/323	G1446+200S+85E	60"-70"	90.40	16.67
/324	G1446+200S+85E	70"-80"	93.40	23.03
/325	G1446+200S+85E	80"-90"	91.94	19.60
/326	G1446+200S+85E	90"-100"	92.06	14.11
/327	G1446+200S+85E	100"-110"	91.96	14.64
/328	G1446+200S+85E	110"-120"	91.88	13.30
/329	G1446+200S+85E	120"-130"	91.78	12.86
Aux.				
/330	G1446+400S+143E	0"-10"	93.86	22.15
/331	G1446+400S+143E	10"-20"	93.86	21.50
/332	G1446+400S+143E	20"-30"	94.48	23.19
/333	G1446+400S+143E	30"-40"	94.06	22.56
/334	G1446+400S+143E	40"-50"	93.76	20.19
/335	G1446+400S+143E	50"-60"	94.98	24.70
/336	G1446+400S+143E	60"-70"	94.34	25.80
/337	G1446+400S+143E	70"-80"	94.26	24.74
/338	G1446+400S+143E	80"-90"	94.38	22.78
/339	G1446+400S+143E	90"-100"	94.74	23.95
/340	G1446+400S+143E	100"-110"	94.70	21.89
/341	G1446+400S+143E	110"-120"	95.16	22.73
/342	G1446+400S+143E	120"-130"	91.72	15.46
/343	G1446+400S+143E	130"-140"	91.80	14.63
/344	G1446+400S+143E	140"-150"	89.56	12.84
/345	G1446+400S+143E	150"-160"	90.40	15.63
/346	G1446+400S+143E	160"-170"	87.86	10.87
/347	G1446+400S+143E	170"-180"	89.84	12.01
/348	G1446+400S+143E	180"-190"	90.02	14.83
/349	G1446+400S+143E	190"-200"	89.34	3.38
/350	G1446+400S+143E	200"-210"	86.72	4.82
/351	G1446+400S+143E	210"-220"	86.76	1.96
Aux.				
/352	G1446+600S+128E	0"-10"	95.70	22.79

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
2.40	63.16	36.84	4.7
1.21	36.56	63.44	4.5
15.46	97.10	2.90	4.7
13.81	97.48	2.52	4.0
20.26	98.67	1.33	4.2
17.81	98.18	1.82	4.1
21.94	98.90	1.10	4.2
12.89	98.60	1.40	4.3
12.50	98.69	1.31	4.1
17.27	98.68	1.32	4.2
14.70	98.77	1.23	4.2
10.58	98.58	1.42	4.2
10.98	98.78	1.22	4.2
10.00	98.11	1.89	4.3
9.65	97.62	2.38	4.4
16.61	98.67	1.33	4.0
16.13	98.68	1.32	4.2
17.39	98.75	1.25	4.2
16.92	98.36	1.64	4.1
15.14	98.87	1.13	4.2
18.53	98.88	1.12	4.0
19.35	98.87	1.13	4.4
18.56	98.69	1.31	4.1
17.09	98.72	1.28	4.3
17.96	98.67	1.33	4.3
16.42	98.45	1.55	4.5
17.05	98.48	1.52	4.4
11.60	96.63	3.37	4.5
10.97	94.59	5.41	4.6
9.63	95.16	4.84	4.5
11.72	92.97	7.03	4.5
8.15	90.78	9.22	4.6
9.01	89.85	10.15	4.6
11.12	92.02	7.98	4.5
2.54	68.59	31.41	4.7
3.62	61.36	38.64	4.7
1.47	60.47	39.53	4.9
17.09	96.31	3.69	4.2

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/353	G1446+600S+128E	10"-20"	93.64	20.75
/354	G1446+600S+128E	20"-30"	92.78	19.67
/355	G1446+600S+128E	30"-40"	94.96	25.40
/356	G1446+600S+128E	40"-50"	93.26	24.04
/357	G1446+600S+128E	50"-60"	94.12	28.57
/358	G1446+600S+128E	60"-70"	89.66	15.09
/359	G1446+600S+128E	70"-80"	91.74	12.11
/360	G1446+600S+128E	80"-90"	89.70	13.40
/361	G1446+600S+128E	90"-100"	91.18	14.51
/362	G1446+600S+128E	100"-110"	91.38	12.99
/363	G1446+600S+128E	110"-120"	90.46	12.37
/364	G1446+600S+128E	120"-130"	91.54	11.58
/365	G1446+600S+128E	130"-140"	88.82	12.88
/366	G1446+600S+128E	140"-150"	88.90	9.37
/367	G1446+600S+128E	150"-160"	87.42	4.45
/368	G1846+148N	0"-10"	92.74	17.36
/369	G1846+148N	10"-20"	94.50	24.00
/370	G1846+148N	20"-30"	93.16	22.81
/371	G1846+148N	30"-40"	94.42	25.81
/372	G1846+148N	40"-50"	94.44	37.05
/373	G1846+148N	50"-60"	93.82	22.01
/374	G1846+148N	60"-70"	91.24	19.53
/375	G1846+148N	70"-80"	93.02	19.48
/376	G1846+148N	80"-90"	92.02	21.30
/377	G1846+148N	90"-100"	91.26	14.19
/378	G1846+148N	100"-110"	92.20	18.72
/379	G1846+148N	110"-120"	91.62	12.65
/380	G1846+148N	120"-130"	93.50	13.23
/381	G1846+148N	130"-140"	93.50	10.77
/382	G1846+148N	140"-150"	92.72	8.52
/383	G1846+348N	0"-10"	96.44	24.70
/384	G1846+348N	10"-20"	93.72	25.48
/385	G1846+348N	20"-30"	95.20	29.17
/386	G1846+348N	30"-40"	94.26	23.00
/387	G1846+348N	40"-50"	93.58	15.58
/388	G1846+348N	50"-60"	92.92	15.25
/389	G1846+348N	60"-70"	91.08	10.31
/390	G1846+348N	70"-80"	59.50	1.63
/391	G1846+200S	0"-10"	93.18	21.41
/392	G1846+200S	10"-20"	94.36	26.24

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.56	98.20	1.80	4.2
14.75	97.80	2.20	4.2
19.05	97.94	2.06	3.8
18.03	98.57	1.43	3.9
21.43	98.67	1.33	3.8
11.32	92.99	7.01	3.8
9.08	91.80	8.20	3.8
10.05	92.59	7.41	3.9
10.88	96.24	3.76	4.1
9.74	95.81	4.19	4.1
9.28	93.19	6.81	4.1
8.69	92.82	7.18	4.2
9.66	92.55	7.45	3.8
7.03	75.31	24.69	4.2
3.34	59.99	40.01	4.6
13.02	97.82	2.18	3.8
18.00	98.56	1.44	3.5
17.11	98.45	1.55	3.6
19.36	98.74	1.26	3.4
27.79	98.64	1.36	3.8
16.51	98.58	1.42	3.4
14.65	97.95	2.05	3.8
14.61	98.47	1.53	3.9
15.98	98.37	1.63	3.8
10.64	97.86	2.14	3.8
14.04	97.10	2.90	3.9
9.49	95.19	4.81	4.0
9.92	95.87	4.13	4.1
8.08	90.43	9.57	4.1
6.39	90.82	9.18	4.0
18.50	98.46	1.54	3.4
19.11	98.72	1.28	3.7
21.88	98.40	1.60	3.8
17.25	97.95	2.05	3.8
11.69	95.00	5.00	3.7
11.44	95.74	4.26	3.9
7.73	92.61	7.39	4.1
1.22	21.27	78.73	4.6
16.06	96.98	3.02	3.6
19.68	96.93	3.07	3.6

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/393	G1846+200S	20"-30"	92.76	17.96
/394	G1846+200S	30"-40"	95.08	25.20
/395	G1846+200S	40"-50"	94.38	25.98
/396	G1846+200S	50"-60"	94.74	24.71
/397	G1846+200S	60"-70"	96.60	48.82
/398	G1846+200S	70"-80"	95.34	31.33
/399	G1846+200S	80"-90"	94.96	29.76
/400	G1846+200S	90"-100"	95.12	30.74
/401	G1846+200S	100"-110"	94.84	25.97
/402	G1846+200S	110"-120"	95.34	29.18
/403	G1846+200S	120"-130"	92.86	17.65
/404	G1846+200S	130"-140"	93.78	21.22
/405	G1846+200S	140"-150"	91.60	17.38
/406	G1846+200S	150"-160"	92.34	22.19
/407	G1846+200S	160"-170"	91.72	16.43
/408	G1846+200S	170"-180"	94.22	12.46
/409	G1846+400S	0-10"	95.38	23.38
/410	G1846+400S	10"-20"	92.90	21.69
/411	G1846+400S	20"-30"	93.76	22.76
/412	G1846+400S	30"-40"	94.78	25.33
/413	G1846+400S	40"-50"	94.44	28.45
/414	G1846+400S	50"-60"	93.82	21.36
/415	G1846+400S	60"-70"	94.20	26.21
/416	G1846+400S	70"-80"	95.00	27.20
/417	G1846+400S	80"-90"	94.46	25.63
/418	G1846+400S	90"-100"	94.66	26.22
/419	G1846+400S	100"-110"	94.16	30.14
/420	G1846+400S	110"-120"	92.02	21.30
/421	G1846+400S	120"-130"	91.30	16.55
/422	G1846+400S	130"-140"	90.78	16.70
/423	G1846+400S	140"-150"	90.60	13.82
/424	G1846+400S	150"-160"	90.10	13.13
/425	G2246+200N	0-10"	93.34	18.62
/426	G2246+200N	10"-20"	93.58	23.36
/427	G2246+200N	20"-30"	95.24	27.73
/428	G2246+200N	30"-40"	95.56	27.93
/429	G2246+200N	40"-50"	94.54	27.47
/430	G2246+200N	50"-60"	95.02	26.10
/431	G2246+200N	60"-70"	93.80	19.03
/432	G2246+200N	70"-80"	91.96	12.29
/433	G2246+200N	80"-90"	91.74	12.35

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
13.47	98.32	1.68	3.5
18.90	97.21	2.78	3.5
19.49	98.66	1.34	3.8
18.53	98.08	1.92	3.9
36.62	98.81	1.19	3.9
23.49	98.69	1.31	3.8
22.32	98.72	1.28	3.9
23.06	98.61	1.39	3.6
19.48	98.74	1.26	3.6
21.89	98.49	1.51	3.9
13.23	98.18	1.82	4.2
15.92	97.98	2.02	4.2
13.04	95.09	4.91	4.3
16.64	21.65	78.35	4.2
12.32	91.52	8.48	4.3
9.35	90.07	9.93	4.4
17.54	98.26	1.74	3.9
16.27	98.54	1.46	4.0
17.07	98.62	1.38	4.1
19.00	98.60	1.40	4.1
21.34	98.69	1.31	4.1
16.02	98.51	1.49	4.1
19.66	98.49	1.51	4.2
20.40	98.60	1.40	4.2
19.22	98.50	1.50	4.1
19.67	98.64	1.36	4.1
22.61	98.57	1.43	4.2
15.98	98.53	1.47	4.2
12.41	98.56	1.44	4.2
12.53	98.58	1.42	4.2
10.37	97.89	2.11	4.3
9.85	97.01	2.99	4.2
13.97	97.91	2.09	3.9
17.52	98.18	1.82	3.9
20.80	98.39	1.61	4.0
20.95	97.39	2.61	4.2
20.60	98.61	1.39	4.2
19.58	98.37	1.63	4.3
14.27	98.52	1.48	4.2
9.22	97.90	2.10	4.1
9.26	97.82	2.18	4.1

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/434	G2246+200N	90"-100"	89.00	6.00
/435	G2246+500N	0-10"	95.58	23.98
/436	G2246+500N	10"-20"	92.04	19.09
/437	G2246+500N	20"-30"	86.72	3.16
/438	G2246+500N	30"-40"	94.24	10.42
/439	G2246+500N	40"-50"	89.72	7.00
/440	G2246+500N	50"-60"	93.76	7.37
/441	G2246+700N	0-10"	95.75	17.00
/442	G2246+700N	10"-20"	92.30	10.50
/443	G2246+700N	20"-30"	92.74	8.26
/444	G2246+700N	30"-40"	90.24	6.97
/445	G2246+700N	40"-50"	90.64	7.69
/446	G2246+700N	50"-60"	91.98	9.48
/447	G2246+100S	0-10"	95.30	19.57
/448	G2246+100S	10"-20"	93.20	19.12
/449	G2246+100S	20"-30"	94.90	16.47
/450	G2246+100S	30"-40"	92.22	19.28
/451	G2246+100S	40"-50"	95.88	22.82
/452	G2246+100S	50"-60"	95.62	24.20
/453	G2246+100S	60"-70"	95.88	28.64
/454	G2246+100S	70"-80"	95.50	28.44
/455	G2246+100S	80"-90"	95.02	26.50
/456	G2246+100S	90"-100"	95.84	28.36
/457	G2246+100S	100"-110"	95.02	24.50
/458	G2246+100S	110"-120"	95.34	22.32
/459	G2246+100S	120"-130"	94.64	18.66
/460	G2246+100S	130"-140"	94.14	19.11
/461	G2246+100S	140"-150"	92.96	16.19
/462	G2246+100S	150"-160"	92.78	12.99
/463	G2246+100S	160"-170"	93.26	11.87
/464	G2246+100S	170"-180"	93.70	16.19
/465	G2246+100S	180"-190"	94.06	15.49
/466	G2246+300S	0-10"	94.08	23.65
/467	G2246+300S	10"-20"	94.60	25.18
/468	G2246+300S	20"-30"	95.40	26.52
/469	G2246+300S	30"-40"	94.96	24.60
/470	G2246+300S	40"-50"	95.00	20.00
/471	G2246+300S	50"-60"	95.28	24.58
/472	G2246+300S	60"-70"	94.20	23.79

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
4.50	65.61	34.39	4.2
17.99	97.92	2.08	4.0
14.32	98.20	1.80	4.4
2.37	97.71	2.29	4.6
7.81	97.17	2.83	4.6
5.25	91.71	8.29	4.4
5.53	91.68	8.32	4.4
12.71	97.55	2.45	4.2
7.86	97.80	2.20	4.2
6.20	97.58	2.42	4.1
5.23	95.70	4.30	4.1
5.77	92.89	7.11	4.0
7.11	95.16	4.84	4.3
14.68	98.25	1.75	4.0
14.34	98.77	1.23	4.2
12.35	98.49	1.51	4.2
14.46	98.49	1.51	4.3
17.12	98.47	1.53	4.5
18.15	98.51	1.49	4.4
18.51	98.53	1.47	4.3
21.33	98.37	1.63	4.5
19.88	98.49	1.51	4.5
21.27	98.36	1.64	4.6
18.38	98.19	1.81	4.6
16.74	98.19	1.81	4.3
14.00	97.79	2.21	4.4
14.33	97.41	2.59	4.4
12.14	97.50	2.50	4.3
9.74	96.20	3.80	4.4
8.90	95.99	4.01	4.6
12.14	95.25	4.75	4.8
11.62	94.45	5.55	4.7
17.74	98.51	1.49	3.9
18.88	98.82	1.18	3.9
19.89	98.86	1.14	4.1
18.45	98.88	1.12	4.1
15.00	98.77	1.23	4.0
18.44	98.82	1.18	4.1
17.84	98.61	1.39	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/473	G2246+300S	70"-80"	94.96	25.40
/474	G2246+300S	80"-90"	93.92	21.38
/475	G2246+300S	90"-100"	93.48	19.32
/476	G2246+300S	100"-110"	93.36	21.69
/477	G2246+300S	110"-120"	92.84	17.60
/478	G2246+300S	120"-130"	94.02	27.09
/479	G2246+300S	130"-140"	92.38	15.71
/480	G2246+300S	140"-150"	91.92	15.59
/481	G2246+300S	150"-160"	89.32	10.11
/482	G2246+300S	160"-170"	83.80	6.67
/483	G2246+300S	170"-180"	93.58	14.33
/484	G2246+300S	180"-190"	94.04	11.74
/485	G2246+300S	190"-200"	93.88	11.76
/486	G2246+300S	200"-210"	92.88	6.46
/487	G2246+300S	210"-220"	87.56	5.30
/488	G2246+500S	0-10"	93.96	19.20
/489	G2246+500S	10"-20"	93.16	23.10
/490	G2246+500S	20"-30"	94.46	23.47
/491	G2246+500S	30"-40"	94.78	24.90
/492	G2246+500S	40"-50"	94.36	29.43
/493	G2246+500S	50"-60"	94.50	16.73
/494	G2246+500S	60"-70"	93.56	21.43
/495	G2246+500S	70"-80"	94.58	22.14
/496	G2246+500S	80"-90"	93.44	20.12
/497	G2246+500S	90"-100"	93.90	15.74
/498	G2246+500S	100"-110"	91.60	13.81
/499	G2246+500S	110"-120"	92.98	21.08
/500	G2246+500S	120"-130"	93.46	17.12
/501	G2246+500S	130"-140"	91.58	9.74
/502	G2246+500S	140"-150"	92.60	9.46
/503	G2246+500S	150"-160"	79.90	3.08
/504	G2246+700S	0-10"	94.24	20.14
/505	G2246+700S	10"-20"	94.24	23.61
/506	G2246+700S	20"-30"	94.22	21.80
/507	G2246+700S	30"-40"	94.28	21.68
/508	G2246+700S	40"-50"	93.80	25.48
/509	G2246+700S	50"-60"	93.38	19.03
/510	G2246+700S	60"-70"	93.38	17.52
/511	G2246+700S	70"-80"	94.54	21.98
/512	G2246+700S	80"-90"	94.06	11.78
/513	G2246+700S	90"-100"	91.00	6.67

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.05	98.76	1.24	4.4
16.04	98.72	1.28	4.3
14.49	98.39	1.61	4.5
16.27	98.45	1.55	4.7
13.20	98.53	1.47	4.7
20.32	98.41	1.59	4.7
11.78	98.02	1.98	4.4
11.69	97.80	2.20	4.7
7.58	94.38	5.62	4.8
5.00	95.22	4.78	5.0
10.75	93.39	6.61	4.8
8.80	91.90	8.10	4.7
8.82	89.70	10.30	4.7
4.84	84.27	15.73	4.8
3.98	77.96	22.04	4.8
14.40	98.06	1.94	3.9
17.32	98.44	1.56	3.7
17.60	98.03	1.97	3.9
18.68	97.63	2.37	4.0
22.07	98.44	1.56	3.8
12.55	96.77	3.23	4.0
16.07	98.48	1.52	4.1
16.60	98.66	1.34	4.2
15.09	97.18	2.82	4.3
11.80	96.63	3.37	4.3
10.36	93.53	6.47	4.1
15.81	97.29	2.71	4.3
12.84	95.95	4.05	4.1
7.30	90.05	9.95	4.0
7.09	88.37	11.63	4.3
2.31	30.94	69.06	4.4
15.10	98.33	1.67	4.1
17.71	98.40	1.60	3.9
16.35	98.48	1.62	3.8
16.26	98.52	1.48	4.0
19.11	98.60	1.40	3.9
14.27	98.39	1.61	4.1
13.14	98.29	1.71	3.9
16.49	98.25	1.75	4.1
8.84	98.00	2.00	4.1
5.00	96.07	3.93	4.1

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/514	G2246+700S	100"-110"	90.74	8.64
/515	G2646+200N	0-10"	94.68	25.19
/516	G2646+200N	10"-20"	94.20	26.21
/517	G2646+200N	20"-30"	95.72	28.04
/518	G2646+200N	30"-40"	95.12	30.33
/519	G2646+200N	40"-50"	94.24	26.74
/520	G2646+200N	50"-60"	94.68	23.68
/521	G2646+200N	60"-70"	94.18	19.24
/522	G2646+200N	70"-80"	82.56	4.47
/523	G2646+400N	0-10"	96.72	43.29
/524	G2646+400N	10"-20"	94.46	14.08
/525	G2646+400N	20"-30"	94.68	14.66
/526	G2646+600N	0-10"	93.72	29.62
/527	G2646+600N	10"-20"	94.68	33.08
/528	G2646+600N	20"-30"	94.88	33.20
/529	G2646+600N	30"-40"	93.24	17.46
/530	G2646+200S	0-10"	93.80	21.29
/531	G2646+200S	10"-20"	93.62	21.00
/532	G2646+200S	20"-30"	93.56	23.60
/533	G2646+200S	30"-40"	94.08	19.26
/534	G2646+200S	40"-50"	92.52	17.91
/535	G2646+200S	50"-60"	93.56	21.74
/536	G2646+200S	60"-70"	93.48	18.10
/537	G2646+200S	70"-80"	94.20	19.31
/538	G2646+200S	80"-90"	91.86	12.78
/539	G2646+200S	90"-100"	93.90	14.10
/540	G2646+200S	100"-110"	92.00	11.00
/541	G2646+200S	110"-120"	89.76	5.66
/542	G2646+400S	0-10"	92.22	16.20
/543	G2646+400S	10"-20"	94.38	21.65
/544	G2646+400S	20"-30"	92.94	17.56
/545	G2646+400S	30"-40"	93.26	16.91
/546	G2646+400S	40"-50"	93.38	15.71
/547	G2646+400S	50"-60"	94.20	20.00
/548	G2646+600S	0-10"	95.12	22.54
/549	G2646+600S	10"-20"	93.60	16.88
/550	G2646+600S	20"-30"	92.76	10.50

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
6.48	95.28	4.72	4.0
18.89	97.97	2.03	4.2
19.66	98.33	1.67	4.2
21.03	98.44	1.56	4.5
22.75	98.47	1.53	4.3
20.06	98.33	1.67	4.4
17.76	97.94	2.06	4.4
14.43	97.96	2.04	4.3
3.35	21.19	78.81	4.3
32.47	96.47	3.53	3.8
10.56	91.60	8.40	3.9
11.00	97.64	2.36	4.1
22.22	97.49	2.51	4.1
24.81	98.20	1.80	4.1
24.90	98.38	1.62	3.8
13.10	98.17	1.83	3.9
15.97	97.82	2.18	3.8
15.75	98.09	1.91	3.9
17.70	98.80	1.20	3.9
14.44	98.53	1.47	4.1
13.43	98.76	1.24	3.7
16.30	98.68	1.32	4.1
15.58	98.49	1.51	4.1
14.48	98.52	1.48	3.5
9.58	98.03	1.97	3.8
10.58	97.82	2.18	3.9
8.25	97.78	2.22	3.9
4.24	75.33	24.67	3.9
12.15	97.64	2.36	3.8
16.24	97.78	2.22	3.7
13.17	98.60	1.40	3.8
12.60	98.60	1.40	3.8
11.78	98.74	1.26	3.7
15.00	98.28	1.72	4.0
16.90	98.20	1.80	3.4
12.66	98.52	1.48	3.7
7.88	98.15	1.85	3.9

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/551	G2646+600S	30"-40"	81.68	3.16
/552	G3046+200N	0-10"	94.36	28.37
/553	G3046+200N	10"-20"	91.66	16.55
/554	G3046+200S	0-10"	95.54	27.80
/555	G3046+200S	10"-20"	98.54	30.00
/556	G3046+200S	20"-30"	84.68	7.05
/557	G3046+200S	30"-40"	95.76	27.83
/558	G3046+200S	40"-50"	96.08	26.53
/559	G3046+200S	50"-60"	93.54	16.10
/560	G3046+200S	60"-70"	94.14	10.92
/561	G3046+400S	0-10"	95.54	20.63
/562	G3046+400S	10"-20"	96.50	21.43
/563	G3046+400S	20"-30"	95.34	25.32
/564	G3046+400S	30"-40"	95.92	26.47
/565	G3046+400S	40"-50"	95.52	27.68
/566	G3046+400S	50"-60"	95.28	22.46
/567	G3046+400S	60"-70"	95.40	23.48
/568	G3046+400S	70"-80"	95.22	20.92
/569	G3046+400S	80"-90"	94.94	22.53
/570	G3046+400S	90"-100"	93.58	11.21
/571	G3046+600S	0-10"	93.46	23.55
/572	G3046+600S	10"-20"	94.10	25.76
/573	G3046+600S	20"-30"	94.98	24.70
/574	G3046+600S	30"-40"	93.80	16.13
/575	G3046+600S	40"-50"	94.54	26.01
/576	G3046+600S	50"-60"	94.72	23.86
/577	G3046+600S	60"-70"	94.20	18.62
/578	G3046+600S	70"-80"	95.06	21.05
/579	G3046+600S	80"-90"	94.14	24.23
/580	G3046+600S	90"-100"	94.56	20.59
/581	G3046+600S	100"-110"	91.92	6.93
/582	G3446+200N	0-10"	95.96	26.24
/583	G3446+200N	10"-20"	93.92	20.72
/584	G3446+200N	20"-30"	94.62	18.59
/585	G3446+200N	30"-40"	94.48	18.84
/586	G3446+200N	40"-50"	94.08	17.57
/587	G3446+200N	50"-60"	93.74	18.53
/588	G3446+200N	60"-70"	92.92	18.08

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
2.37	33.47	66.53	3.9
21.28	98.05	1.95	4.0
12.41	96.66	3.34	4.1
20.85	98.60	1.40	3.9
22.50	98.68	1.32	3.9
5.29	98.36	1.64	4.0
20.87	98.71	1.29	4.1
19.90	98.59	1.41	4.1
12.08	96.22	3.78	4.1
8.19	93.55	6.45	4.2
15.47	98.38	1.62	4.1
23.57	98.68	1.32	4.1
18.99	98.42	1.58	4.7
19.85	98.52	1.48	4.9
20.76	98.36	1.64	4.9
16.84	98.36	1.64	4.6
17.61	97.90	2.10	4.8
15.69	97.40	2.60	4.5
16.90	97.72	2.28	4.6
8.41	94.61	5.39	4.6
17.66	95.75	4.25	3.7
19.32	91.68	8.32	3.9
18.52	98.34	1.66	4.2
12.10	97.51	2.49	4.2
19.51	98.52	2.48	4.3
17.90	98.40	1.60	4.2
13.96	98.56	1.44	4.3
15.79	98.28	1.72	4.4
18.17	98.45	1.55	4.3
15.44	98.33	1.67	4.2
5.20	96.12	3.88	4.5
19.68	98.42	1.58	4.4
15.54	98.42	1.58	4.4
13.94	98.34	1.66	4.2
14.13	98.34	1.66	4.1
13.18	98.46	1.54	4.2
13.90	98.40	1.60	4.0
13.56	98.32	1.68	4.1

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis
33847/589	G3446+200N	70"-80"	94.42	22.22
/590	G3446+200N	80"-90"	96.84	22.78
/591	G3446+200N	90"-100"	93.60	15.31
/592	G3446+200N	100"-110"	96.60	37.65
/593	G3446+200N	110"-120"	91.80	14.15
/594	G3446+200N	120"-130"	91.20	15.00
/595	G3446+200N	130"-140"	92.00	13.50
/596	G3446+200N	140"-150"	92.56	16.13
/597	G3446+200N	150"-160"	91.40	7.21
/598	G3446+200S	0-10"	95.16	19.01
/599	G3446+200S	10"-20"	95.08	25.20
/600	G3446+200S	20"-30"	96.14	20.72
/601	G3446+200S	30"-40"	95.48	24.34
/602	G3446+200S	40"-50"	95.68	24.07
/603	G3446+200S	50"-60"	95.36	22.84
/604	G3446+200S	60"-70"	93.58	20.87
/605	G3446+200S	70"-80"	94.78	19.92
/606	G3446+200S	80"-90"	94.54	18.68
/607	G3446+200S	90"-100"	95.90	17.56
/608	G3446+200S	100"-110"	94.38	18.86
/609	G3446+200S	110"-120"	94.82	14.67
/610	G3446+200S	120"-130"	94.38	11.03
/611	G3446+200S	130"-140"	94.28	11.89
/612	G3446+200S	140"-150"	94.80	15.00
/613	G3446+200S	150"-160"	93.52	5.86
/614	G3446+400S	0-10"	94.60	27.04
/615	G3446+400S	10"-20"	93.70	21.90
/616	G3446+400S	20"-30"	95.90	27.32
/617	G3446+400S	30"-40"	95.50	27.56
/618	G3446+400S	40"-50"	95.26	27.00
/619	G3446+400S	50"-60"	95.76	26.89
/620	G3446+400S	60"-70"	94.74	25.86
/621	G3446+400S	70"-80"	94.20	21.38
/622	G3446+400S	80"-90"	98.64	31.67
/623	G3446+400S	90"-100"	95.96	27.72
/624	G3446+400S	100"-110"	93.30	20.30
/625	G3446+400S	110"-120"	93.76	16.99
/626	G3446+400S	120"-130"	93.56	18.32
/627	G3446+400S	130"-140"	92.96	11.08
/628	G3446+400S	140"-150"	93.84	9.42
/629	G3446+400S	150"-160"	91.06	6.04

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.66	98.36	1.64	4.2
17.08	98.28	1.72	4.2
11.48	97.92	2.08	4.2
28.24	96.56	3.44	4.2
10.61	96.47	3.53	4.4
11.25	96.27	3.73	4.5
10.12	95.96	4.04	4.5
12.10	95.37	4.63	5.1
5.41	91.47	8.53	4.8
14.26	98.38	1.62	4.0
18.90	98.42	1.58	4.1
15.54	98.40	1.60	4.3
18.26	98.55	1.45	4.4
18.05	98.50	1.50	4.5
17.13	98.64	1.36	4.2
15.65	98.55	1.45	4.4
14.94	98.27	1.73	4.3
14.01	98.41	1.59	4.2
13.17	98.45	1.55	4.1
14.14	98.16	1.84	3.9
11.00	97.01	2.60	3.9
8.27	97.01	2.99	3.9
8.92	93.44	6.56	4.0
11.25	95.87	4.13	4.0
4.40	90.06	9.94	4.0
20.28	98.26	1.74	4.0
16.42	98.68	1.32	4.0
20.49	98.74	1.26	4.2
20.67	98.85	1.15	4.1
20.25	98.88	1.12	4.1
20.17	98.63	1.37	4.0
19.40	98.87	1.13	4.3
16.04	97.25	2.75	4.2
23.75	93.99	6.01	4.1
20.79	97.86	2.14	4.5
15.22	97.83	2.17	4.4
12.74	98.31	1.69	4.4
13.74	96.95	3.05	4.4
8.31	95.29	4.71	4.4
7.06	96.02	3.98	4.6
4.53	89.41	10.59	4.5

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/630	G3446+600S	0-10"	93.68	22.78
/631	G3446+600S	10"-20"	93.94	19.14
/632	G3446+600S	20"-30"	93.14	15.16
/633	G3446+600S	30"-40"	93.90	20.33
/634	G3446+600S	40"-50"	93.52	21.30
/635	G3446+600S	50"-60"	94.74	22.05
/636	G3446+600S	60"-70"	93.94	22.44
/637	G3446+600S	70"-80"	93.32	15.87
/638	G3446+600S	80"-90"	92.20	10.26
/639	G3446+600S	90"-100"	90.14	7.10
/640	G3846+200N	0-10"	94.78	23.37
/641	G3846+200N	10"-20"	93.74	17.57
/642	G3846+200N	20"-30"	95.28	27.97
/643	G3846+200N	30"-40"	94.08	20.61
/644	G3846+200N	40"-50"	93.50	21.23
/645	G3846+200N	50"-60"	94.70	21.23
/646	G3846+200N	60"-70"	94.32	21.48
/647	G3846+200N	70"-80"	94.94	23.32
/648	G3846+200N	80"-90"	93.28	11.01
/649	G3846+200N	90"-100"	93.68	13.92
/650	G3846+200N	100"-110"	93.08	10.11
/651	G3846+200N	110"-120"	93.22	7.08
/652	G3846+200N	120"-130"	91.94	5.96
/653	G3846+200N	130"-140"	92.02	5.76
/654	G3846+200N	140"-150"	91.90	7.41
/655	G3846+400N	0-10"	95.48	26.99
/656	G3846+400N	10"-20"	94.72	30.30
/657	G3846+400N	20"-30"	95.18	32.36
/658	G3846+400N	30"-40"	93.84	25.32
/659	G3846+400N	40"-50"	92.90	21.97
/660	G3846+400N	50"-60"	93.06	12.10
/661	G3846+400N	60"-70"	92.46	17.24
/662	G3846+400N	70"-80"	98.46	20.94
/663	G3846+400N	80"-90"	92.88	19.94
/664	G3846+400N	90"-100"	93.10	12.17
/665	G3846+400N	100"-110"	93.72	11.78
/666	G3846+400N	110"-120"	93.38	13.29
/667	G3846+400N	120"-130"	92.14	13.23
/668	G3846+400N	130"-140"	91.42	8.39
/669	G3846+400N	140"-150"	88.72	3.19

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
17.08	98.49	1.51	3.7
14.36	97.96	2.04	4.0
11.37	96.65	3.35	3.8
15.25	96.28	3.72	3.9
17.04	96.53	3.47	3.7
16.54	97.66	2.34	3.9
16.83	98.34	1.66	3.9
11.90	97.50	2.50	3.8
7.70	93.29	6.71	4.0
5.32	89.70	10.30	4.2
17.53	96.90	3.10	4.0
13.18	98.35	1.65	3.8
20.98	98.68	1.32	3.9
15.46	98.36	1.64	4.1
15.92	98.69	1.31	3.9
21.51	98.59	1.41	4.0
16.11	98.44	1.56	4.0
17.49	98.61	1.39	4.2
8.26	97.23	2.77	4.0
10.44	98.27	1.73	3.9
7.58	97.86	2.14	3.9
5.31	97.60	2.40	3.9
4.47	97.42	2.58	3.9
4.32	97.56	2.44	3.8
5.56	96.17	3.83	3.9
20.24	98.02	1.98	3.7
22.72	98.29	1.71	3.8
24.27	98.62	1.38	3.8
18.99	98.42	1.58	4.0
16.47	98.64	1.36	4.0
9.08	98.34	1.66	4.0
12.93	98.13	1.87	3.8
15.70	98.23	1.77	3.9
14.96	98.10	1.90	4.0
9.13	97.94	2.06	4.1
8.84	97.81	2.19	4.0
9.97	97.75	2.25	3.9
9.92	97.25	2.75	4.0
6.29	93.08	6.92	4.0
2.39	87.93	12.07	3.8

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33847/670	G3846+600N	0-10"	93.20	24.12
/671	G3846+600N	10"-20"	93.22	26.55
/672	G3846+600N	20"-30"	89.00	6.00
/673	G3846+800N	0-10"	90.24	14.55
/674	G3846+800N	10"-20"	88.84	10.57
/675	G3846+800N	20"-30"	89.34	11.44
/676	G3846+800N	30"-40"	87.74	5.22
/677	G3846+100S	0-10"	94.26	28.22
/678	G3846+100S	10"-20"	93.98	26.58
/679	G3846+100S	20"-30"	94.18	24.40
/680	G3846+100S	30"-40"	94.94	24.90
/681	G3846+100S	40"-50"	94.82	23.17
/682	G3846+100S	50"-60"	93.50	16.00
/683	G3846+100S	60"-70"	93.76	25.32
/684	G3846+100S	70"-80"	93.86	23.45
/685	G3846+100S	80"-90"	93.72	21.66
/686	G3846+100S	90"-100"	95.00	20.00
/687	G3846+100S	100"-110"	93.56	4.97
/688	G3846+100S	110"-120"	92.00	3.00
/689	G3846+200S	0-10"	93.38	21.75
/690	G3846+200S	10"-20"	94.64	20.52
/691	G3846+200S	20"-30"	94.80	23.46
/692	G3846+200S	30"-40"	93.56	10.56
/693	G3846+200S	40"-50"	93.00	20.29
/694	G3846+200S	50"-60"	92.38	15.60
/695	G3846+200S	60"-70"	92.78	20.78
/696	G3846+200S	70"-80"	93.60	17.19

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.09	97.98	2.02	3.9
19.91	98.30	1.70	3.9
4.50	98.06	1.94	3.5
10.91	93.99	6.01	3.5
7.93	92.13	7.87	3.9
8.58	90.03	9.97	3.5
3.92	87.21	12.79	3.7
21.16	98.61	1.39	4.0
19.94	97.26	2.74	3.7
18.30	98.76	1.24	3.6
18.68	98.22	1.78	4.1
17.38	98.48	1.52	4.1
12.00	94.63	5.37	4.0
18.99	98.55	1.45	4.2
17.59	98.38	1.62	3.8
16.24	98.22	1.78	4.2
15.00	98.15	1.85	4.0
3.73	93.58	6.42	3.9
2.25	97.29	2.71	4.1
16.31	98.29	1.71	4.1
15.39	98.82	1.18	3.7
17.60	98.69	1.31	3.9
7.92	97.18	2.82	4.0
15.22	96.04	3.96	3.8
11.70	97.95	2.05	4.0
15.58	96.90	3.10	3.9
12.89	95.49	4.51	3.7

Table 2

Three Mile Lake Bog - Guysborough Co., N.S
Bog #14 Total Samples -162
Chemical and Physical Analysis

Lab. #	Sample#	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33845/1	BL0+00	0-10"	95.22%	21.34
/2	BL0+00	10"-20"	93.38	23.56
/3	BL0+00	20"-30"	94.22	25.60
/4	BL0+00	30"-40"	94.44	22.22
/5	BL0+00	40"-50"	93.14	20.12
/6	BL0+00	50"-60"	96.30	28.10
/7	BL0+00	60"-70"	94.68	28.95
/8	BL0+00	70"-80"	95.72	30.37
/9	BL0+00	80"-90"	92.38	15.75
/10	BL0+00	90"-100"	91.92	8.66
/11	BL0+00	100"-110"	88.78	9.09
/12	BL0+00	110"-120"	90.02	8.02
/13	BL0+00	120"-130"	95.18	13.01
/14	BL0+00	130"-140"	92.48	11.97
/15	BL0+00	140"-150"	93.10	---
/16	BL4+00	0-10"	95.28	---
/17	BL4+00	10"-20"	94.10	20.00
/18	BL4+00	20"-30"	94.78	19.54
/19	BL4+00	30"-40"	95.98	27.36
/20	BL4+00	40"-50"	95.64	28.90
/21	BL4+00	50"-60"	95.40	23.91
/22	BL4+00	60"-70"	95.40	30.87
/23	BL4+00	70"-80"	94.86	24.12
/24	BL4+00	80"-90"	95.20	30.00
/25	BL4+00	90"-100"	95.00	26.45
/26	BL4+00	100"-110"	95.58	35.29
/27	BL4+00	110"-120"	95.06	25.91
/28	BL4+00	120"-130"	95.60	27.27
/29	BL4+00	130"-140"	93.00	17.71
/30	BL4+00	140"-150"	92.80	19.17
/31	BL4+00	150"-160"	93.32	14.41
/32	BL4+00	160"-170"	93.52	17.59
/33	BL4+00	170"-180"	95.06	14.98
/34	BL4+00	180"-190"	94.28	---
/35	BL4+00	190"-200"	93.14	---

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.01	97.14	2.86	4.1
17.67	97.62	2.38	4.2
19.20	99.05	0.95	4.1
16.67	98.68	1.32	4.2
15.10	95.21	4.79	4.2
21.10	98.77	1.23	4.2
21.71	99.02	0.98	4.2
22.78	99.08	0.92	4.3
11.81	95.28	4.72	4.2
6.50	91.95	8.05	3.9
6.82	98.67	1.33	4.2
6.02	97.61	2.39	4.2
9.76	97.76	2.24	4.2
8.98	97.76	2.24	4.2
--	97.44	2.56	4.2
--	98.32	1.68	4.1
15.00	98.47	1.53	4.0
14.66	98.41	1.59	4.3
20.52	98.53	1.47	4.3
21.68	98.77	1.23	4.2
17.93	98.83	1.17	4.4
23.15	98.75	1.25	4.4
18.09	98.60	1.40	4.5
22.50	98.68	1.32	4.4
19.84	98.77	1.23	4.5
26.47	98.84	1.16	4.5
19.43	98.90	1.10	4.5
20.45	98.71	1.29	4.4
13.28	98.59	1.41	4.5
14.38	93.19	6.81	-
10.81	97.11	2.89	4.5
13.19	95.18	4.82	4.6
11.24	95.48	4.32	4.5
--	93.87	6.13	4.6
--	89.55	10.45	4.6

Lab. #	Sample#	Depth (in ins.)	Moisture (as received %	Water-holding capacity (oven-dry basis
33845/36	BL4+00	200"-210"	87.48	2.24
/37	BL4+00	210"-220"	86.84	---
/38	BL8+00	0-10"	93.66	---
/39	BL8+00	10"-20"	95.00	29.60
/40	BL8+00	20"-30"	94.30	27.72
/41	BL8+00	30"-40"	94.78	28.35
/42	BL8+00	40"-50"	90.30	25.96
/43	BL8+00	50"-60"	95.12	24.59
/44	BL8+00	60"-70"	94.64	29.70
/45	BL8+00	70"-80"	95.48	30.10
/46	BL8+00	80"-90"	95.24	32.76
/47	BL8+00	90"-100"	93.34	20.72
/48	BL8+00	100"-110"	92.70	21.37
/49	BL8+00	110"-120"	92.00	18.00
/50	BL8+00	120"-130"	94.06	16.84
/51	BL8+00	130"-140"	93.48	14.42
/52	BL11+00	0-10"	91.38	19.72
/53	BL11+00	10"-20"	92.84	20.95
/54	BL11+00	20"-30"	92.50	20.28
/55	BL11+00	30"-40"	93.32	27.25
/56	BL11+00	40"-50"	93.32	21.26
/57	BL11+00	50"-60"	91.42	11.19
/58	G0+150N	0-10"	98.06	---
/59	G0+150N	10"-20"	94.50	---
/60	G0+150N	20"-30"	94.86	22.27
/61	G0+150N	30"-40"	94.82	23.94
/62	G0+150N	40"-50"	95.42	22.71
/63	G0+150N	50"-60"	95.10	29.39
/64	G0+1[illegible]0N	60"-70"	95.12	27.86
/65	G0+150N	70"-80"	95.20	24.58
/66	G0+150N	80"-90"	92.64	17.93
/67	G0+150N	90"-100"	93.28	19.64
/68	G0+150N	100"-110"	92.78	13.02
/69	G0+150N	110"-120"	93.28	13.47
/70	G0+150N	120"-130"	92.90	9.29
/71	G0+150N	130"-140"	94.32	---
/72	G0+150S	0-10"	95.38	---
/73	G0+150S	10"-20"	94.08	---
/74	G0+150S	20"-30"	95.10	27.76

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
1.68	83.89	16.11	-
--	87.91	12.09	4.7
--	98.38	1.62	4.9
22.20	98.54	1.46	4.2
20.79	98.65	1.35	4.2
21.26	98.41	1.59	4.1
19.47	98.67	1.33	4.2
18.44	98.53	1.47	4.2
22.78	98.65	1.35	4.2
22.58	98.55	1.45	4.3
24.57	98.58	1.42	4.3
15.54	98.43	1.57	4.4
16.03	98.41	1.59	4.4
13.50	97.98	2.02	4.4
12.36	98.03	1.97	4.4
10.82	97.14	2.86	4.2
14.79	98.53	1.47	4.3
15.71	98.40	1.60	3.7
15.21	98.63	1.37	4.1
20.44	98.59	1.41	4.1
15.95	98.37	1.63	4.1
8.39	94.72	5.28	4.2
--	97.47	2.53	4.1
--	98.62	1.38	4.3
16.70	98.69	1.31	4.3
17.96	98.73	1.27	4.2
17.03	98.75	1.25	4.3
22.04	98.80	1.20	4.4
20.90	98.61	1.39	4.4
18.43	98.46	1.54	4.4
13.45	98.20	1.80	4.5
14.73	98.20	1.80	4.4
9.77	96.86	3.14	4.5
10.10	96.96	3.04	4.3
6.97	97.01	2.99	4.5
--	96.29	3.71	4.3
--	98.04	1.96	4.2
--	98.35	1.65	4.3
20.82	98.55	1.45	4.5

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33845/75	G0+150S	30"-40"	94.30	24.56
/76	G0+150S	40"-50"	93.02	20.92
/77	G0+150S	50"-60"	94.38	22.42
/78	G0+150S	60"-70"	92.76	21.55
/79	G0+150S	70"-80"	94.54	---
/80	G0+150S	80"-90"	94.70	23.77
/81	G0+150S	90"-100"	89.48	9.13
/82	G0+150S	100"-110"	90.64	12.61
/83	G0+150S	110"-120"	88.42	7.08
/84	G0+150S	120"-130"	88.72	7.62
/85	G0+150S	130"-140"	91.60	---
/86	G0+150S	140"-150"	91.64	15.55
/87	G0+150S	150"-160"	92.62	13.82
/88	G0+150S	160"-170"	89.76	6.25
/89	G0+150S	170"-180"	87.92	5.30
/90	G4+183S	0-10"	94.48	18.84
/91	G4+183S	10"-20"	93.86	25.73
/92	G4+183S	20"-30"	93.56	20.49
/93	G4+183S	30"-40"	94.78	24.52
/94	G4+183S	40"-50"	94.50	28.00
/95	G4+183S	50"-60"	95.16	26.61
/96	G4+183S	60"-70"	93.34	22.83
/97	G4+183S	70"-80"	93.06	18.90
/98	G4+183S	80"-90"	94.70	28.68
/99	G4+183S	90"-100"	95.14	27.98
/100	G4+183S	100"-110"	94.88	29.99
/101	G4+183S	110"-120"	95.12	27.87
/102	G4+183S	120"-130"	94.88	20.50
/103	G4+183S	130"-140"	93.20	17.35
/104	G4+183S	140"-150"	93.46	14.98
/105	G4+183S	150"-160"	92.24	11.08
/106	G4+183S	160"-170"	93.62	17.55
/107	G4+231N	0-10"	95.70	---
/108	G4+231N	10"-20"	94.28	15.94
/109	G4+231N	20"-30"	95.36	18.53
/110	G4+231N	30"-40"	95.58	20.36
/111	G4+231N	40"-50"	94.90	13.73
/112	G4+231N	50"-60"	95.76	21.23
/113	G4+231N	60"-70"	96.10	23.08
/114	G4+231N	70"-80"	96.88	28.21
/115	G4+231N	80"-90"	95.30	17.02

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.42	98.52	1.48	4.3
15.69	98.85	1.15	4.3
16.82	98.82	1.18	4.4
16.16	98.96	1.04	4.4
--	98.75	1.25	4.3
17.83	98.72	1.28	4.3
6.85	98.60	1.40	4.2
9.46	98.55	1.45	4.2
5.31	98.49	1.51	4.2
5.72	98.27	1.73	4.4
--	98.39	1.61	4.5
11.66	97.77	2.23	4.6
10.37	96.33	3.67	4.6
4.19	94.82	5.28	4.5
3.98	92.61	7.39	4.8
14.13	94.36	5.64	4.2
19.29	98.27	1.73	4.5
15.37	98.42	1.58	4.3
18.39	98.28	1.72	4.5
24.00	98.54	1.46	4.4
19.96	98.56	1.44	4.6
17.12	98.32	1.68	4.6
14.18	98.49	1.51	4.6
15.77	97.35	2.65	4.6
20.99	98.15	1.85	4.6
21.97	98.66	1.34	4.6
20.90	98.52	1.48	4.6
17.43	98.66	1.34	4.5
13.01	98.47	1.53	4.3
11.24	98.24	1.76	4.4
8.31	95.60	4.40	4.4
13.16	94.14	5.86	4.5
--	96.85	3.15	4.3
11.96	96.47	3.53	4.0
13.90	98.21	1.79	4.1
15.27	97.98	2.02	4.2
10.30	98.35	1.65	4.1
15.92	98.40	1.60	4.2
17.31	97.20	2.80	4.3
21.16	97.32	2.68	4.5
12.77	97.62	2.38	4.5

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33845/116	G4+231N	90"-100"	93.52	11.41
/117	G4+231N	100"-110"	94.24	18.40
/118	G4+231N	110"-120"	93.86	18.89
/119	G4+231N	120"-130"	76.54	3.41
/120	G8+178N	0-10"	94.48	22.83
/121	G8+178N	10"-20"	93.28	21.43
/122	G8+178N	20"-30"	95.34	22.32
/123	G8+178N	30"-40"	94.38	19.22
/124	G8+178N	40"-50"	95.86	22.22
/125	G8+178N	50"-60"	95.76	20.28
/126	G8+178N	60"-70"	93.66	17.67
/127	G8+178N	70"-80"	94.90	18.43
/128	G8+178N	80"-90"	95.10	21.63
/129	G8+178N	90"-100"	94.06	16.84
/130	G8+178N	100"-110"	93.60	15.31
/131	G8+178N	110"-120"	94.28	16.19
/132	G8+176S	0-10"	90.98	---
/133	G8+176S	10"-20"	94.88	20.31
/134	G8+176S	20"-30"	96.32	23.91
/135	G8+176S	30"-40"	94.96	23.81
/136	G8+176S	40"-50"	93.50	20.31
/137	G8+176S	50"-60"	94.68	27.07
/138	G8+176S	60"-70"	94.16	28.76
/139	G8+176S	70"-80"	93.08	21.39
/140	G8+176S	80"-90"	91.18	18.93
/141	G8+176S	90"-100"	89.86	13.02
/142	G8+176S	100"-110"	93.16	13.16
/143	G8+176S	110"-120"	87.92	10.26
/144	G8+176S	120"-130"	90.60	12.98
/145	G8+176S	130"-140"	91.56	12.79
/146	G11+60N	0-10"	92.86	19.89
/147	G11+60N	10"-20"	91.10	17.75
/148	G11+60N	20"-30"	92.92	20.62
/149	G11+60N	30"-40"	92.10	15.95
/150	G11+154S	0-10"	89.20	12.22
/151	G11+154S	10"-20"	92.34	20.89
/152	G11+154S	20"-30"	92.42	23.75
/153	G11+154S	30"-40"	93.66	26.49
/154	G11+154S	40"-50"	92.56	20.97

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
8.56	96.92	3.08	4.5
13.80	96.67	3.33	4.7
14.17	96.86	3.14	4.6
2.56	27.49	72.51	4.7
17.12	98.21	1.79	4.2
16.07	98.52	1.48	4.4
16.74	98.41	1.59	4.3
14.42	98.39	1.61	4.4
16.67	98.37	1.63	4.4
15.21	98.34	1.66	4.4
13.25	98.31	1.69	4.4
13.82	98.05	1.95	4.5
16.22	97.93	2.07	4.6
12.63	98.33	1.67	4.5
11.48	97.85	2.15	4.6
12.14	92.63	7.37	4.4
--	98.38	1.62	4.2
15.23	98.45	1.55	3.9
17.93	98.70	1.30	4.2
17.86	98.76	1.24	4.1
15.23	98.33	1.67	4.2
20.30	98.44	1.56	4.4
21.57	98.45	1.55	4.5
16.04	98.44	1.56	4.5
14.19	98.48	1.52	4.6
9.77	92.90	7.10	4.4
9.87	97.84	2.16	4.4
7.69	95.69	4.31	4.6
9.74	94.98	5.02	4.4
9.59	94.35	5.65	4.6
14.92	98.08	1.92	3.9
13.31	98.34	1.66	3.8
15.47	98.24	1.76	3.9
11.96	97.87	2.13	4.0
9.17	97.83	2.17	3.7
15.67	97.69	2.31	3.6
17.81	98.48	1.52	3.9
19.87	98.15	1.85	3.9
15.73	98.69	1.31	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33845/155	G11+154S	50"-60"	94.30	25.76
/156	G11+154S	60"-70"	92.64	24.73
/157	G11+154S	70"-80"	91.40	20.00
/158	G11+154S	80"-90"	91.72	15.46
/159	G11+154S	90"-100"	93.82	13.92
/160	G11+154S	100"-110"	90.54	10.99
/161	G11+154S	110"-120"	89.64	12.55
/162	G11+154S	120"-130"	90.32	9.10

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.32	98.30	1.70	4.1
18.55	97.52	2.48	4.2
15.00	97.24	2.76	4.1
11.60	98.29	1.71	4.1
10.44	97.87	2.13	4.1
8.24	94.79	5.21	4.2
9.41	96.25	3.75	4.3
6.82	25.37	74.63	4.6

Table 3

Lily Pond Bog - Guysborough Co., N.S.
Bog #21 Total Samples - 439
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/1	BL0+00	0'-1'	--	--
/2	BL0+00	1'-2'	--	--
/3	BL0+00	2'-3'	--	--
/4	BL0+00	3'-4'	--	--
33844/1	BL0+00	0"-10"	89.84	--
/2	BL0+00	10"-20"	91.20	18.18
/3	BL0+00	20"-30"	92.20	16.92
/4	BL0+00	30"-40"	92.02	13.53
/5	BL0+00	40"-50"	93.70	21.47
/6	BL0+00	50"-60"	92.56	5.91
/7	BL0+00	60"-70"	91.88	11.82
/8	BL0+00	70"-80"	92.38	12.33
/9	BL0+00	80"-90"	88.88	7.22
/10	BL0+00	90"-100"	90.92	9.03
/11	BL0+00	100"-110"	90.60	12.34
/12	BL0+00	110"-120"	90.82	13.29
/13	BL0+00	120"-130"	87.50	6.72
/14	BL0+00	130"-140"	87.22	4.08
/15	BL0+00	140"-150"	87.32	4.04
/16	BL0+00	150"-160"	90.92	1.98
/17	BL0+00	160"-170"	86.80	1.81
/18	BL0+00	170"-180"	86.72	1.36
/19	BL0+00	180"-190"	83.44	1.45
/20	BL0+00	190"-200"	82.18	1.51
3 3843/5	B4+00	0'-1'	--	--
/6	BL4+00	1'-2'	--	--
/7	BL4+00	2'-3'	--	--
/8	BL4+00	3'-4'	--	--
/9	BL4+00	4'-5'	--	--
/10	BL4+00	5'-6'	--	--
/11	BL4+00	6'-7'	--	--
/12	BL4+00	7'-8'	--	--
/13	BL4+00	8'-9'	--	--
/14	BL4+00	9'-10'	--	--

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	98.85	1.15	4.4
--	98.69	1.31	3.7
--	98.73	1.27	3.8
--	97.86	2.14	4.0
--	98.19	1.81	4.0
13.64	98.87	1.13	4.0
12.69	98.16	1.84	3.9
10.15	94.22	5.78	3.9
16.10	95.38	4.62	4.0
4.43	92.48	7.52	4.1
8.87	90.35	9.65	4.3
9.25	91.13	8.87	4.6
5.42	87.25	12.75	4.6
6.77	71.40	12.60	4.8
9.25	88.70	11.30	4.9
9.97	84.86	15.14	5.1
5.04	69.36	30.64	5.2
3.06	63.13	36.87	5.0
3.03	56.62	43.38	5.2
1.49	60.77	39.23	5.4
1.36	55.91	44.09	5.4
1.02	49.96	50.04	5.5
1.09	38.13	61.87	5.0
1.13	13.10	86.90	4.5
--	98.28	1.72	4.2
--	98.73	1.27	4.1
--	98.79	1.21	3.9
--	97.84	2.16	4.2
--	98.87	1.13	4.4
--	98.98	1.02	4.3
--	98.97	1.03	4.5
--	98.52	1.48	4.5
--	97.56	2.44	4.4
--	94.90	5.10	4.3

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/15	BL4+00	10'-11'	--	--
/16	BL4+00	11'-12'	--	--
33844/21	BL4+00	120"-130"	91.28	14.45
/22	BL4+00	130"-140"	89.72	12.45
/23	BL4+00	140"-150"	91.14	12.19
/24	BL4+00	150"-160"	89.16	3.51
33843/17	BL8+00	0'-1'	--	--
/18	BL8+00	1'-2'	--	--
/19	BL8+00	2'-3'	--	--
/20	BL8+00	3'-4'	--	--
/21	BL8+00	4'-5'	--	--
/22	BL8+00	5'-6'	--	--
/23	BL8+00	6'-7'	--	--
/24	BL8+00	7'-8'	--	--
33844/25	BL8+00	0-10"	94.38	19.57
/26	BL8+00	10"-20"	95.10	23.26
/27	BL8+00	20"-30"	94.42	22.22
/28	BL8+00	30"-40"	95.14	25.51
/29	BL8+00	40"-50"	94.78	26.05
/30	BL8+00	50"-60"	94.92	25.98
/31	BL8+00	60"-70"	94.06	22.56
/32	BL8+00	70"-80"	93.68	18.61
/33	BL8+00	80"-90"	95.88	31.07
/34	BL8+00	90"-100"	94.86	17.12
/35	BL8+00	100"-110"	93.70	--
/36	BL8+00	110"-120"	94.28	13.73
33843/25	BL12+00	0'-1'	--	--
/26	BL12+00	1'-2'	--	--
/27	BL12+00	2'-3'	--	--
/28	BL12+00	3'-4'	--	--
/29	BL12+00	4'-5'	--	--
/30	BL12+00	5'-6'	--	--
/31	BL12+00	6'-7'	--	--
/32	BL12+00	7'-8'	--	--
/33	BL12+00	8'-9'	--	--
33844/37	BL12+00	100"-110"	91.40	10.93
/38	BL12+00	110"-120"	91.48	6.10

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	96.36	3.64	4.6
--	96.59	3.41	4.6
10.84	95.97	4.03	4.4
9.34	93.02	6.98	4.5
9.14	88.07	11.93	4.6
2.63	71.73	28.27	4.8
--	94.93	5.07	4.6
--	98.83	1.17	4.3
--	98.82	1.18	4.4
--	98.95	1.05	4.4
--	98.93	1.07	4.4
--	98.83	1.17	4.5
--	98.73	1.27	4.5
--	98.09	1.91	4.7
14.68	98.43	1.57	4.0
17.44	98.51	1.49	4.0
16.67	99.09	0.91	4.3
19.13	98.87	1.13	4.0
19.54	99.10	0.90	4.1
19.49	94.04	5.96	4.3
16.92	94.80	5.20	4.4
13.96	98.12	1.88	4.3
23.30	98.47	1.53	4.6
12.84	98.25	1.75	4.4
--	96.90	3.10	4.5
10.30	97.23	2.77	4.4
--	98.67	1.33	4.4
--	98.84	1.16	4.2
--	98.63	1.37	4.2
--	99.02	0.98	4.1
--	99.09	0.91	4.2
--	98.89	1.11	4.4
--	94.63	5.37	4.4
--	92.39	7.61	4.4
--	94.35	5.65	4.7
8.20	97.04	2.96	4.3
4.34	95.66	4.23	4.4

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/34	BL15+71	0'-1'	--	--
/35	BL15+71	1'-2'	--	--
/36	BL15+71	2'-3'	--	--
/37	BL15+71	3'-4'	--	--
/38	BL15+71	4'-5'	--	--
/39	BL15+71	5'-6'	--	--
/40	BL15+71	6'-7'	--	--
/41	BL15+71	7'-8'	--	--
/42	BL15+71	8'-9'	--	--
33844/39	BL15+71	100"-110"	94.76	16.03
/40	BL15+71	110"-120"	93.20	20.00
/41	BL15+71	120"-130"	917.97	
/42	BL15+71	130"-140"	91.72	12.29
/43	BL15+71	140"-150"	90.88	8.37
/44	BL15+71	150"-160"	92.60	10.00
/45	BL15+71	160"-170"	91.02	10.00
/46	BL15+71	170"-180"	91.66	--
/43	BL19+71	0'-1'	--	--
/44	BL19+71	1'-2'	--	--
/45	BL19+71	2'-3'	--	--
/46	BL19+71	3'-4'	--	--
/47	BL19+71	4'-5'	--	--
/48	BL19+71	5'-6'	--	--
/49	BL19+71	6'-7'	--	--
/50	BL19+71	7'-8'	--	--
/51	BL19+71	8'-9'	--	--
/52	BL19+71	9'-10'	--	--
/53	BL19+71	10'-11'	--	--
/54	BL19+71	11'-12'	--	--
/55	BL19+71	12'-13'	--	--
/56	BL19+71	13'-14'	--	--
/57	BL19+71	14'-15'	--	--
/58	BL19+71	15'-16'	--	--
/59	BL19+71	16'-17'	--	--
/60	BL19+71	17'-18'	--	--
33844/47	BL19+71	210"-220"	91.42	11.89
/48	BL19+71	220"-230"	94.04	11.74
33843/61	BL23+71	0'-1'	--	--
/62	BL23+71	1'-2'	--	--

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	98.47	1.53	4.2
--	98.96	1.04	4.3
--	98.89	1.11	4.4
--	98.72	1.28	4.2
--	98.71	1.29	4.4
--	98.93	1.07	4.5
--	98.82	1.18	4.4
--	98.61	1.39	4.6
--	98.03	1.97	4.6
12.02	97.50	2.50	4.3
15.00	99.34	0.66	4.5
13.48	98.94	1.06	4.3
9.97	97.84	2.16	4.5
6.28	95.83	4.17	5.2
7.50	94.69	5.31	4.6
7.52	96.31	3.69	4.5
--	93.79	6.21	4.4
--	98.81	1.19	4.4
--	98.81	1.19	4.3
--	98.19	1.81	4.3
--	98.81	1.19	4.6
--	98.98	1.02	4.3
--	98.87	1.13	4.4
--	98.87	1.13	4.5
--	98.91	1.09	4.4
--	98.83	1.17	4.7
--	98.82	1.18	4.6
--	98.83	1.17	4.6
--	98.96	1.04	4.7
--	98.84	1.16	4.7
--	98.44	1.56	4.7
--	98.33	1.67	4.8
--	98.12	1.88	4.8
--	97.48	2.52	4.8
--	97.74	2.26	4.9
8.92	98.02	1.98	4.3
8.81	98.11	1.89	4.5
--	98.26	1.74	4.3
--	98.54	1.46	4.1

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/63	BL23+71	2'-3'	--	--
/64	BL23+71	3'-4'	--	--
/65	BL23+71	4'-5'	--	--
/66	BL23+71	5'-6'	--	--
/67	BL23+71	6'-7'	--	--
/68	BL23+71	7'-8'	--	--
/69	BL23+71	8'-9'	94.12	24.15
/70	BL23+71	9'-10'	94.70	29.43
/71	BL23+71	10'-11'	94.30	27.72
/72	BL23+71	11'-12'	94.50	23.64
/73	BL23+71	12'-13'	93.74	23.72
/74	BL23+71	13'-14'	95.52	27.23
/75	BL23+71	14'-15'	94.44	26.50
/76	BL23+71	15'-16'	92.94	17.28
33844/49	BL23+71	190"-200"	93.48	19.33
/50	BL23+71	200"-210"	93.76	16.03
/51	BL23+71	210"-220'	93.64	15.41
33843/77	BL27+71	0'-1'	94.42	23.90
/78	BL27+71	1'-2'	94.20	22.76
/79	BL27+71	2'-3'	94.62	22.69
/80	BL27+71	3'-4'	94.56	31.25
/81	BL27+71	4'-5'	94.56	23.90
/82	BL27+71	5'-6'	92.56	18.04
/83	BL27+71	6'-7'	91.18	13.18
/84	BL27+71	7'-8'	91.40	9.78
/85	BL27+71	8'-9'	91.26	10.11
/86	BL27+71	9'-10'	92.00	13.75
/87	BL27+71	10'-11'	92.06	11.00
/88	BL27+71	11'-12'	90.82	6.32
33843/89	BL31+71	0'-1'	92.66	23.66
/90	BL31+71	1'-2'	94.12	25.17
/91	BL31+71	2'-3'	94.06	28.32
/92	BL31+71	3'-4'	91.80	15.85
/93	BL31+71	4'-5'	90.52	9.72
/94	BL31+71	5'-6'	88.74	5.15
33844/52	BL31+71	70"-80"	89.12	8.46
33843/95	BL33+71	0'-1.5'	89.60	9.50

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	98.69	1.31	4.2
--	98.73	1.27	4.3
--	98.82	1.18	4.4
--	98.87	1.13	4.3
--	98.80	1.20	4.3
--	98.82	1.18	4.4
18.11	98.74	1.26	3.9
22.07	98.73	1.27	4.2
20.79	98.81	1.19	4.4
17.73	98.82	1.18	4.4
17.79	98.75	1.25	4.0
20.42	98.63	1.37	4.3
19.88	98.45	1.55	4.1
12.96	98.33	1.67	4.3
14.50	99.09	0.91	4.4
12.02	98.60	1.40	4.3
11.56	98.20	1.80	4.2
17.93	98.51	1.49	3.8
17.07	98.95	1.05	3.5
17.02	98.84	1.16	3.7
23.44	99.07	0.93	3.7
17.90	98.87	1.13	4.2
13.53	98.45	1.55	3.8
9.80	98.68	1.32	4.0
7.34	98.48	1.52	4.3
7.58	98.16	1.84	4.0
10.31	94.24	5.76	3.9
8.25	95.66	4.32	4.5
4.74	86.26	13.74	4.3
17.74	98.75	1.25	3.6
18.88	99.08	0.92	4.1
21.24	98.41	1.59	3.8
11.89	93.74	6.26	4.0
7.29	91.98	8.02	4.1
3.86	88.79	11.21	4.1
6.35	95.08	4.92	4.2
7.12	92.91	7.09	3.7

Lab #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) &	Water-holding capacity (oven-dry basis)
33844/53	BL33+71	10"-20"	90.14	15.21
/54	BL33+71	20"-30"	88.10	7.33
/55	BL33+71	30"-40"	90.10	7.47
/56	BL33+71	40"-50"	89.26	6.33
33843/96	G0+53N	0'-1'	90.80	14.29
/97	G0+53N	1'-2'	92.32	16.80
33844/57	G0+53N	20"-30"	90.82	15.25
/58	G0+53N	30"-40"	89.92	12.25
/59	G0+53N	40"-50"	90.54	11.21
/60	G0+53N	50"-60"	90.58	7.64
/61	G0+53N	60"-70"	88.22	4.75
/62	G0+53N	70"-80"	87.44	3.02
/63	G0+53N	80"-90"	89.70	11.26
/64	G0+53N	90"-100"	91.32	13.13
/65	G0+53N	100"-110"	91.08	8.07
/66	G0+53N	110"-120"	89.56	6.13
/67	G0+53N	120"-130"	89.26	4.47
/68	G0+53N	130"-140"	88.04	2.01
/69	G0+53N	140"-150"	86.50	1.04
/70	G0+53N	150"-160"	85.64	1.26
33844/71	G0+70S	0-10"	89.42	12.67
/72	G0+70S	10"-20"	90.74	14.90
/73	G0+70S	20"-30"	91.24	16.89
/74	G0+70S	30"-40"	89.82	8.84
/75	G0+70S	40"-50"	90.76	13.20
/76	G0+70S	50"-60"	90.24	13.11
/77	G0+70S	60"-70"	89.06	12.27
/78	G0+70S	70"-80"	90.24	9.22
/79	G0+70S	80"-90"	89.74	6.63
/80	G0+70S	90"-100"	88.52	2.44
/81	G0+70S	100"-110"	87.74	4.51
/82	G0+70S	110"-120"	87.60	--
/83	G0+70S	120"-130"	86.60	2.09
/84	G0+70S	130"-140"	83.58	1.17
33843/98	G4+98N	0'-1'	91.42	23.29
/99	G4+98N	1'-2'	92.28	24.12
/100	G4+98N	2'-3'	91.76	16.26
/101	G4+98N	3'-4'	92.04	12.81

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.40	97.21	2.79	3.9
5.80	95.56	4.44	3.8
5.60	94.73	5.27	3.8
4.75	94.34	5.66	4.1
10.70	98.48	1.52	3.1
12.60	98.77	1.23	3.3
11.44	89.25	10.15	3.8
9.19	90.29	9.17	3.9
8.41	94.58	5.42	4.2
5.73	90.73	9.27	4.3
3.56	90.91	9.09	4.7
2.27	88.17	11.83	4.5
8.45	89.73	10.27	4.0
9.85	92.46	7.54	4.7
6.05	74.28	25.72	4.5
4.60	66.98	33.02	4.7
3.35	69.05	30.95	4.8
15.07	62.52	37.48	5.0
0.78	60.38	39.62	5.1
0.95	46.10	53.90	4.8
9.50	98.07	1.93	-
11.18	95.47	4.53	3.5
12.67	98.15	1.85	3.9
6.63	93.90	6.10	3.9
8.90	96.71	3.29	4.1
9.83	96.26	3.74	4.3
9.20	95.40	4.60	4.3
6.92	91.10	8.90	4.4
4.97	80.55	19.45	4.4
1.83	64.96	35.04	4.8
3.42	61.49	38.51	4.9
--	57.68	42.32	5.1
1.57	54.11	45.89	5.2
8.87	38.01	61.99	5.0
17.47	98.03	1.97	3.7
18.09	98.88	1.13	3.1
12.19	99.00	1.00	4.0
9.61	98.88	1.12	3.5

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33844/85	G4+98N	0-10"	91.72	17.15
/86	G4+98N	10"-20"	92.20	18.21
/87	G4+98N	20"-30"	94.00	24.00
/88	G4+98N	30"-40"	93.06	20.75
/89	G4+98N	40"-50"	92.22	15.68
/90	G4+98N	50"-60"	93.12	18.31
/91	G4+98N	60"-70"	91.92	11.13
/92	G4+98N	70"-80"	89.44	4.55
/93	G4+98N	80"-90"	90.34	12.42
/94	G4+98N	90"-100"	91.20	11.13
33843/102	G4+105S	0'-1'	94.74	17.87
/103	G4+105S	1'-2'	94.16	21.23
/104	G4+105S	2'-3'	94.28	22.73
/105	G4+105S	3'-4'	94.74	23.95
/106	G4+105S	4'-5'	94.78	24.90
/107	G4+105S	5'-6'	94.56	21.32
/108	G4+105S	6'-7'	93.06	21.33
/109	G4+105S	7'-8'	92.64	10.88
/110	G4+105S	8'-9'	93.04	7.76
/111	G4+105S	9'-10'	91.64	8.13
33844/95	G4+105S	0-10"	93.94	18.15
/96	G4+105S	10"-20"	92.60	--
/97	G4+105S	20"-30"	95.04	22.98
/98	G4+105S	30"-40"	92.26	16.02
/99	G4+105S	40"-50"	94.54	24.90
/100	G4+105S	50"-60"	94.72	21.59
/101	G4+105S	60"-70"	95.64	29.82
/102	G4+105S	70"-80"	95.08	26.42
/103	G4+105S	80"-90"	93.92	20.72
/104	G4+105S	90"-100"	94.06	22.22
/105	G4+105S	100"-110"	92.76	9.39
/106	G4+105S	110"-120"	93.54	14.55
/107	G4+105S	120"-130"	91.16	10.63
/108	G4+105S	130"-140"	93.22	14.75
/109	G4+105S	140"-150"	93.88	21.89
/110	G4+105S	150"-160"	94.00	22.33
/111	G4+105S	160"-170"	92.16	7.91
/112	G4+105S	170"-180"	90.44	3.14
/113	G4+105S	180"-190"	89.42	2.27
/114	G4+105S	190"-200"	90.12	0.81
/115	G4+105S	200"-210"	89.94	1.98

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
12.86	97.99	2.01	4.1
13.66	98.62	1.38	3.9
18.00	98.80	1.20	3.9
15.56	98.78	1.22	3.9
11.76	96.90	3.10	4.1
13.73	97.99	2.01	4.1
8.35	89.79	10.21	4.1
3.41	91.25	8.75	4.2
9.32	90.71	9.29	4.3
8.35	90.26	9.74	4.2
13.40	99.01	0.99	4.2
15.92	99.03	0.97	3.4
17.05	98.93	1.07	4.5
17.96	98.97	1.03	4.0
18.68	98.99	1.01	3.5
15.99	98.92	1.08	4.3
16.00	98.55	1.45	4.7
8.16	95.80	4.20	4.2
5.82	95.14	4.86	4.7
6.10	94.68	5.32	4.7
13.61	98.55	1.45	4.3
--	98.84	1.16	4.3
17.24	99.96	0.04	4.3
12.02	99.02	0.98	4.5
18.68	98.90	1.10	4.4
16.19	98.88	1.12	4.5
22.37	98.90	1.10	4.6
19.82	98.88	1.12	4.7
15.54	98.97	1.03	4.5
16.67	98.57	1.43	4.7
7.04	95.92	4.08	4.6
10.91	96.04	5.96	4.6
7.97	95.85	4.15	4.8
11.06	95.78	4.22	4.7
16.42	97.16	2.84	4.9
16.75	95.10	4.90	5.0
5.93	72.65	27.35	4.9
2.36	67.44	32.56	5.0
1.70	66.15	33.85	5.1
0.61	66.47	33.53	5.2
0.75	67.04	32.96	5.2

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33844/116	G4+105S	210"-220"	87.54	0.49
/117	G4+105S	220"-230"	83.02	0.67
33843/112	G8+105N	0'-1'	91.16	--
/113	G8+105N	1'-2'	92.18	17.14
/114	G8+105N	2'-3'	94.50	26.91
/115	G8+105N	3'-4'	93.58	20.25
/116	G8+105N	4'-5'	93.96	22.52
/117	G8+105N	5'-6'	95.44	27.63
/118	G8+105N	6'-7'	94.62	18.43
33844/118	G8+105N	0-10"	94.70	21.52
/119	G8+105N	10"-20"	92.40	--
/120	G8+105N	20"-30"	94.24	23.61
/121	G8+105N	30"-40"	91.48	12.44
/122	G8+105N	40"-50"	94.40	22.40
/123	G8+105N	50"-60"	93.52	19.14
/124	G8+105N	60"-70"	94.22	20.76
/125	G8+105N	70"-80"	94.90	21.18
/126	G8+105N	80"-90"	95.72	33.64
/127	G8+105N	90"-100"	98.70	27.72
/128	G8+105N	100"-110"	98.60	15.29
/129	G8+105N	110"-120"	90.87	8.25
33843/119	G8+164S	0'-1'	94.16	24.66
/120	G8+164S	1'-2'	95.90	29.27
/121	G8+164S	2'-3'	95.36	25.86
/122	G8+164S	3'-4'	95.24	24.56
/123	G8+164S	4'-5'	94.44	20.85
/124	G8+164S	5'-6'	94.12	24.49
/125	G8+164S	6'-7'	95.72	25.58
/126	G8+164S	7'-8'	92.74	16.25
/127	G8+164S	8'-9'	92.62	13.55
/128	G8+164S	9'-10'	93.54	18.27
33844/130	G8+164S	0-10"	94.62	23.79
/131	G8+164S	10"-20"	94.56	20.95
/132	G8+164S	20"-30"	95.52	25.00
/133	G8+164S	30"-40"	98.07	24.62
/134	G8+164S	40"-50"	95.56	25.23
/135	G8+164S	50"-60"	95.26	13.14
/136	G8+164S	60"-70"	93.62	20.06
/137	G8+164S	70"-80"	93.52	22.53

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
0.37	56.37	43.63	5.3
0.50	39.80	60.20	5.3
--	98.49	1.51	4.0
12.86	98.58	1.42	4.2
20.18	98.60	1.40	4.1
15.19	98.83	1.17	4.1
16.89	98.76	1.24	4.3
20.72	98.81	1.19	4.3
13.82	98.74	1.26	4.5
16.14	96.55	3.45	4.1
--	99.01	0.99	4.3
17.71	98.83	1.17	4.3
9.33	98.46	1.54	4.1
16.61	98.78	1.22	4.3
14.35	99.06	0.94	4.4
15.57	98.82	1.18	4.2
15.89	98.79	1.21	4.4
25.23	98.86	1.14	4.7
20.79	98.55	1.45	4.1
11.47	98.42	1.58	4.4
5.93	92.35	7.65	4.6
18.50	99.12	0.88	3.3
21.95	98.84	1.16	3.1
19.40	98.85	1.15	3.5
18.42	98.76	1.24	4.3
15.64	98.73	1.27	4.6
18.37	98.76	1.24	4.4
19.19	98.84	1.16	4.8
12.19	98.44	1.56	4.7
10.16	98.11	1.89	4.4
13.70	98.26	1.74	4.6
17.84	86.17	13.83	4.5
15.71	92.30	7.70	4.6
18.75	96.18	3.82	4.5
18.47	95.28	4.72	4.7
18.92	98.94	1.06	4.5
9.86	98.50	1.50	4.6
15.05	96.98	3.02	4.5
16.89	97.91	2.09	4.4

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33844/138	G8+164S	80"-90"	91.30	16.32
/139	G8+164S	90"-100"	95.58	23.24
/140	G8+164S	100"-110"	92.22	13.11
/141	G8+164S	110"-120"	92.32	15.36
/142	G8+164S	120"-130"	91.26	16.02
/143	G8+164S	130"-140"	91.18	13.83
/144	G8+164S	140"-150"	91.19	12.69
/145	G8+164S	150"-160"	92.20	16.99
/146	G8+164S	160"-170"	94.60	14.33
/147	G8+164S	170"-180"	93.64	14.47
/148	G8+164S	180"-190"	88.50	13.39
/149	G8+164S	190"-200"	89.24	1.30
33843/129	G1571+66N	0-1'	93.02	--
/130	G1571+66N	1'-2'	95.82	27.75
/131	G1571+66N	2'-3'	94.52	22.26
/132	G1571+66N	3'-4'	93.22	14.45
/133	G1571+66N	4'-5'	94.18	21.31
/134	G1571+66N	5'-6'	92.22	13.78
/135	G1571+66N	6'-7'	92.78	13.30
33844/150	G1571+66N	70"-80"	91.81	1.23
/151	G1571+66N	80"-90"	86.54	1.04
33843/136	G1571+83S	0-1'	93.26	--
/137	G1571+83S	1'-2'	93.88	23.53
/138	G1571+83S	2'-3'	94.52	24.45
/139	G1571+83S	3'-4'	94.82	22.77
/140	G1571+83S	4'-5'	93.60	23.44
/141	G1571+83S	5'-6'	94.72	23.48
/142	G1571+83S	6'-7'	93.60	22.19
/143	G1571+83S	7'-8'	93.54	16.42
/144	G1571+83S	8'-9'	93.36	14.46
/145	G1571+83S	9'-10'	93.10	12.17
33844/152	G1571+83S	120"-130"	92.36	5.76
/153	G1571+83S	130"-140"	93.40	6.97
/154	G1571+83S	140"-150"	91.98	7.98
/155	G1571+83S	150"-160"	90.00	8.80
33843/146	G1971+200N	0'-1'	95.26	24.05
/147	G1971+200N	1'-2'	95.20	30.42
/148	G1971+200N	2'-3'	95.22	27.20

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
12.24	98.76	1.24	4.5
17.43	98.10	1.90	4.0
9.83	96.75	3.25	4.0
11.52	97.52	2.48	4.2
12.02	93.60	6.40	4.2
10.37	94.01	5.99	4.5
9.52	92.92	7.08	4.4
12.67	96.90	5.10	4.5
10.75	95.70	4.30	4.4
10.85	96.79	3.21	4.4
10.04	82.29	17.71	4.4
0.98	69.76	30.24	4.5
--	98.67	1.33	4.2
20.81	98.80	1.20	4.0
16.70	98.92	1.08	4.0
10.84	98.75	1.25	4.1
15.98	98.63	1.37	3.9
10.34	97.92	2.08	4.1
9.98	97.97	2.03	4.4
0.92	71.96	28.04	4.7
0.78	9.38	90.62	4.7
--	98.47	1.53	4.2
17.65	98.72	1.28	4.3
18.33	98.86	1.14	3.9
17.08	98.87	1.13	4.3
17.58	98.95	1.05	4.2
17.61	98.85	1.15	4.5
16.64	98.68	1.32	4.3
12.54	98.72	1.28	4.4
10.85	97.66	2.34	4.1
9.13	98.17	1.83	4.2
4.32	87.60	12.40	4.1
5.24	93.96	6.04	4.1
5.99	93.92	6.08	4.4
6.60	87.03	12.97	4.7
18.04	98.40	1.60	3.9
22.81	98.73	1.27	4.2
20.41	98.71	1.29	4.1

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/149	G1971+200N	3'-4'	94.72	30.30
/150	G1971+200N	4'-5'	94.62	26.02
/151	G1971+200N	5'-6'	95.32	30.77
/152	G1971+200N	6'-7'	94.97	28.69
/153	G1971+200N	7'-8'	94.94	29.64
/154	G1971+200N	8'-9'	95.38	32.47
/155	G1971+200N	9'-10'	93.22	21.24
/156	G1971+200N	10'-11'	95.14	26.45
/157	G1971+200N	11'-12'	94.52	23.72
/158	G1971+200N	12'-13'	95.28	30.08
/159	G1971+200N	13'-14'	96.22	31.75
/160	G1971+200N	14'-15'	94.54	18.68
/161	G1971+200N	15'-16'	94.68	14.66
/162	G1971+200N	16'-17'	93.30	12.84
/163	G1971+200N	17'-18'	92.44	7.05
33844/156	G1971+200N	210"-220"	93.48	7.06
/157	G1971+200N	220"-230"	92.62	4.61
33843/164	G1971+185N	0'-1'	93.58	23.36
/165	G1971+185S	1'-2'	94.40	26.79
/166	G1971+185S	2'-3'	94.68	24.81
/167	G1971+185S	3'-4'	94.58	22.30
/168	G1971+185S	4'-5'	94.88	25.94
/169	G1971+185S	5'-6'	93.70	19.37
/170	G1971+185S	6'-7'	94.58	21.03
/171	G1971+185S	7'-8'	94.20	23.10
/172	G1971+185S	8'-9'	95.34	31.76
/173	G1971+185S	9'-10'	94.80	18.85
/174	G1971+185S	10'-11'	94.04	15.10
/175	G1971+185S	11'-12'	94.50	24.00
/176	G1971+185S	12'-13'	94.30	27.01
/177	G1971+185S	13'-14'	94.32	21.48
/178	G1971+185S	14'-15'	91.78	13.38
33844/158	G1971+185S	180"-190"	92.52	8.82
/159	G1971+185S	190"-200"	92.01	5.01
/160	G1971+185S	200"-210"	93.66	6.62
33843/179	G2371+200N	0'-1'	95.36	22.41
/180	G2371+200N	1'-2'	95.36	28.01
/181	G2371+200N	2'-3'	95.56	31.08
/182	G2371+200N	3'-4'	95.40	25.65

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
22.73	98.83	1.17	4.2
19.52	98.83	1.17	4.4
23.08	98.78	1.22	4.0
21.52	98.87	1.13	4.4
22.23	98.81	1.19	4.5
24.35	98.87	1.13	4.5
15.93	98.91	1.09	4.4
19.84	98.90	1.10	4.5
17.79	98.78	1.22	4.6
22.56	98.70	1.30	4.4
23.81	98.63	1.37	4.5
14.01	98.48	1.52	4.5
11.00	98.33	1.67	4.4
9.63	95.17	4.83	4.5
5.29	97.76	2.24	4.5
5.29	93.16	6.84	4.5
3.46	88.46	11.54	4.5
17.52	98.51	1.49	4.0
20.10	98.92	1.08	4.0
18.61	98.75	1.25	4.1
16.73	98.98	1.02	4.2
19.46	98.92	1.08	4.4
14.53	98.87	1.13	4.3
15.77	98.87	1.13	4.2
17.33	97.94	2.06	4.4
23.82	98.73	1.27	4.5
14.14	98.56	1.44	4.6
11.33	98.05	1.95	4.5
18.00	97.97	2.03	4.4
20.26	98.47	1.53	4.5
16.11	98.33	1.67	4.4
10.04	94.56	5.44	4.3
6.62	93.84	6.16	4.3
3.76	88.59	11.41	4.2
4.97	88.79	11.21	4.3
16.18	98.50	1.50	3.9
21.01	98.79	1.21	4.1
23.31	98.85	1.15	4.2
18.24	98.83	1.17	4.1

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/183	G2371+200N	4'-5'	94.44	25.18
/184	G2371+200N	5'-6'	95.62	32.42
/185	G2371+200N	6'-7'	95.34	30.90
/186	G2371+200N	7'-8'	94.66	28.84
/187	G2371+200N	8'-9'	95.60	28.64
/188	G2371+200N	9'-10'	94.94	25.69
/189	G2371+200N	10'-11'	96.06	29.95
/190	G2371+200N	11'-12'	95.48	30.53
/191	G2371+200N	12'-13'	94.40	26.79
/192	G2371+200N	13'-14'	93.74	22.04
/193	G2371+200N	14'-15'	93.06	19.31
/194	G2371+200N	15'-16'	92.04	15.33
/195	G2371+200N	16'-16 1/2'	90.74	14.04
3 3844/161	G2371+200N	190"-200"	89.64	11.78
/162	G2371+200N	200"-210"	90.34	12.21
/163	G2371+200N	210"-220"	90.50	8.42
/164	G2371+200N	220"-230"	86.66	4.22
33843/196	G2371+200S	0'-1'	94.14	22.95
/197	G2371+200S	1'-2'	95.60	27.27
/198	G2371+200S	2'-3'	95.24	25.63
/199	G2371+200S	3'-4'	93.98	22.26
/200	G2371+200S	4'-5'	94.28	23.43
/201	G2371+200S	5'-6'	94.46	22.02
/202	G2371+200S	6'-7'	94.84	20.54
/203	G2371+200S	7'-8'	94.92	27.55
/204	G2371+200S	8'-9'	94.50	28.00
/205	G2371+200S	9'-10'	95.26	36.29
/206	G2371+200S	10'-11'	95.30	25.53
/207	G2371+200S	11'-12'	93.80	20.00
/208	G2371+200S	12'-13'	93.20	19.11
/209	G2371+200S	13'-14'	94.70	17.74
/210	G2371+200S	14'-15'	93.48	9.51
/211	G2371+200S	15'-16'	91.68	8.65
3 3843/212	G2771+150N	0'-1'	93.70	23.17
/213	G2771+150N	1'-2'	94.28	24.48
/214	G2771+150N	2'-3'	93.32	19.77
/215	G2771+150N	3'-4'	93.88	22.88
/216	G2771+150N	4'-5'	93.32	18.89
/217	G2771+150N	5'-6'	94.12	26.87
/218	G2771+150N	6'-7'	94.20	27.93

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.89	98.33	1.67	4.1
24.32	98.78	1.22	4.1
23.18	98.84	1.16	4.1
21.63	98.66	1.34	4.0
21.48	98.80	1.20	4.1
19.28	97.93	2.03	4.1
22.46	98.84	1.16	4.1
22.90	98.95	1.05	4.2
20.09	98.46	1.54	4.0
16.53	98.68	1.32	4.1
14.48	97.68	2.32	4.1
11.50	92.63	7.37	4.0
10.53	95.32	4.68	4.0
8.84	90.00	10.00	4.2
9.16	91.55	8.45	4.3
6.32	96.15	3.85	4.4
3.17	92.68	7.32	4.5
17.52	98.52	1.48	4.0
21.45	98.94	1.06	4.0
19.22	98.94	1.06	4.0
16.70	98.95	1.05	4.1
17.57	99.02	0.98	3.9
16.52	98.46	1.54	4.3
15.41	98.85	1.15	4.2
20.66	98.74	1.26	4.3
21.45	98.80	1.20	4.1
22.22	98.80	1.20	4.6
19.15	98.76	1.24	4.4
15.00	98.79	1.21	4.4
14.33	98.80	1.20	4.5
13.31	98.51	1.49	4.3
7.13	96.76	3.24	4.4
6.49	89.87	10.13	4.5
17.37	98.78	1.22	4.1
18.36	98.92	1.08	3.9
14.83	98.99	1.01	4.1
17.16	98.95	1.05	4.1
14.16	98.83	1.17	4.1
20.15	98.85	1.15	4.3
20.95	98.98	1.02	4.3

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33843/219	G2771+150N	7'-8'	93.02	18.91
/220	G2771+150N	8'-9'	93.58	19.00
/221	G2771+150N	9'-10'	94.14	19.45
/222	G2771+150N	10'-11'	91.58	13.78
/223	G2771+150N	11'-12'	90.80	11.52
/224	G2771+150N	12'-13'	90.72	8.62
33844/165	G2771+150N	150"-160"	92.00	8.50
/166	G2771+150N	160"-170"	90.20	7.96
33843/225	G2771+200S	0'-1'	92.60	--
/226	G2771+200S	1'-2'	92.68	16.94
/227	G2771+200S	2'-3'	95.16	24.79
/228	G2771+200S	3'-4'	93.84	18.83
/229	G2771+200S	4'-5'	92.20	14.87
/230	G2771+200S	5'-6'	92.86	17.09
/231	G2771+200S	6'-7'	93.50	22.15
33844/167	G2771+200S	80"-90"	90.58	15.29
/168	G2771+200S	90"-100"	92.80	20.00
33843/232	G3171+172N	0'-1'	92.86	24.09
/233	G3171+172N	1'-2'	94.16	28.08
/234	G3171+172N	2'-3'	92.80	21.94
/235	G3171+172N	3'-4'	89.96	14.34
/236	G3171+172N	4'-5'	90.54	7.74
/237	G3171+172N	5'-6'	91.78	16.79
/238	G3171+172N	6'-7'	92.12	16.49
/239	G3171+172N	7'-8'	89.96	8.57
/240	G3171+172N	8'-9'	91.20	10.45
/241	G3171+172N	9'-10'	90.76	8.87
/242	G3171+172N	10'-11'	94.26	12.54
/243	G3171+172N	11'-12'	91.42	10.26
/244	G3171+172N	12'-13'	90.42	9.19
/245	G3171+172N	13'-14'	85.62	5.15
33843/246	G3171+108S	0'-1'	92.64	--
/247	G3171+108S	1'-2'	92.00	18.75
/248	G3171+108S	2'-3'	94.16	25.00
/249	G3171+108S	3'-4'	93.80	20.97
/250	G3171+108S	4'-5'	92.04	14.57
/251	G3171+108S	5'-6'	91.00	14.22
/252	G3171+108S	6'-7'	91.10	12.36

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
14.18	98.60	1.40	4.5
14.25	98.26	1.74	4.6
14.59	96.46	3.54	4.7
10.34	93.51	6.49	4.7
8.64	90.85	9.15	4.7
6.47	89.50	10.50	4.8
6.38	96.73	3.27	5.2
5.97	95.48	4.52	5.0
--	98.40	1.60	4.3
12.71	98.33	1.67	3.9
18.59	98.68	1.32	4.1
14.12	98.50	1.50	4.1
11.15	93.52	6.48	4.0
12.81	96.31	3.69	4.2
16.61	95.38	4.62	4.1
11.47	98.56	1.44	4.0
15.00	98.12	1.88	4.4
18.07	98.73	1.27	3.8
21.06	98.87	1.13	3.9
16.45	98.89	1.11	3.8
10.76	92.92	7.08	4.0
5.81	89.84	10.16	4.1
12.59	92.01	7.99	4.0
12.37	95.16	4.84	4.0
6.43	90.31	9.69	4.2
7.84	89.95	10.05	4.2
6.65	91.48	8.52	4.2
9.41	92.03	7.97	4.2
7.70	90.96	9.04	4.4
6.89	80.52	19.48	4.5
3.86	54.54	45.46	4.4
--	98.36	1.64	4.0
14.06	96.10	3.90	4.3
18.75	97.54	2.41	4.1
15.73	93.68	6.32	4.4
10.93	89.50	10.50	4.5
10.67	91.50	8.50	4.4
9.27	91.97	8.03	4.5

Lab. #	Sample #	Depth (in ft.) (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33844/169	G3171+108S	70"-80"	90.00	14.80
/170	G3171+108S	80"-90"	92.74	20.66
/171	G3171+108S	90"-100"	92.26	13.44
/172	G3171+108S	100"-110"	87.56	9.32
/173	G3171+108S	110"-120"	91.34	10.16
/174	G3171+108S	120"-130"	89.16	6.64
/175	G3171+108S	130"-140"	90.28	12.14
33843/253	G3371+200N	0'-1'	90.88	15.67
/254	G3371+200N	1'-2'	91.92	19.05
/255	G3371+200N	2'-3'	91.10	11.24
33843/256	G3371+85S	0'-1'	92.24	20.60
/257	G3371+85S	1'-2'	91.92	17.08
/258	G3371+85S	2'-3'	90.08	17.34
/259	G3371+85S	3'-4'	91.72	22.22
/260	G3371+85S	4'-4.5'	90.88	19.09
33844/176	G3371+85S	50"-60"	90.96	10.62
/177	G3371+85S	60"-70"	88.78	6.24
/178	G3371+85S	70"-80"	88.00	8.66
/179	G3371+85S	80"-90"	87.80	11.41

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.10	98.19	1.81	4.3
15.49	98.31	1.69	4.3
10.08	97.48	2.52	4.2
6.99	96.56	3.44	4.4
7.62	96.41	3.59	4.2
4.98	95.68	4.32	4.4
9.11	96.00	4.00	4.5
11.75	91.30	8.70	3.9
14.29	95.72	4.28	3.8
8.43	91.80	8.20	3.8
15.45	97.03	2.97	4.2
12.81	96.06	3.94	4.2
13.01	96.30	3.70	4.0
16.67	97.94	2.06	4.1
14.32	91.18	8.82	4.0
7.97	97.19	2.81	4.0
4.68	94.57	5.43	3.9
6.50	95.04	4.96	4.1
8.56	96.17	3.83	4.2

Table 4

Lily Pond Bog - Guysborough Co., N.S.
Bog #22 Total Samples - 76
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
3 3842/1	BL0+00	0-10"	95.80	13.81
/2	BL0+00	10"-20"	93.90	15.74
/3	BL0+00	20"-30"	48.02	1.35
/4	BL4+00	0-10"	90.60	10.64
/5	BL4+00	10"-20"	89.26	11.36
/6	BL4+00	20"-30"	87.72	9.77
/7	BL4+00	30"-40"	88.84	8.24
/8	BL4+00	40"-50"	91.58	14.73
/9	BL4+00	50"-60"	92.08	21.21
/10	BL4+00	60"-70"	90.56	11.65
/11	BL7+00	0-10"	95.16	23.97
/12	BL7+00	10"-20"	95.30	30.64
/13	BL7+00	20"-30"	94.66	28.84
/14	BL7+00	30"-40"	94.12	25.51
/15	BL7+00	40"-50"	92.04	20.10
/16	BL7+00	50"-60"	86.18	7.81
/17	BL7+00	60"-70"	92.02	15.54
/18	BL7+00	70"-80"	92.24	14.43
/19	BL7+00	80"-90"	91.96	14.43
/20	BL7+00	90"-100"	92.28	15.03
/21	BL7+00	100"-110"	91.42	18.54
/22	BL7+00	110"-120"	90.02	9.82
/23	BL7+00	120"-130"	89.42	9.63
/24	BL8+00	0-10"	93.80	22.58
/25	BL8+00	10"-20"	92.52	21.66
/26	BL8+00	20"-30"	95.46	31.28
/27	BL8+00	30"-40"	94.84	30.23
/28	BL8+00	40"-50"	90.02	14.23
/29	BL8+00	50"-60"	89.76	12.30
/30	BL8+00	60"-70"	91.44	15.19
/31	BL8+00	70"-80"	94.52	13.87
/32	BL8+00	80"-90"	89.12	9.64
/33	BL8+00	90"-100"	92.10	17.97

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
10.36	97.63	2.37	3.9
11.81	98.20	1.80	3.8
1.01	8.32	91.68	4.2
7.98	95.75	4.25	3.8
8.52	94.06	5.94	3.6
7.33	98.33	1.67	3.7
6.18	97.28	2.72	3.9
11.05	--	--	4.0
15.91	97.11	2.89	4.3
8.74	95.88	4.12	4.3
17.98	98.76	1.24	3.9
22.98	98.92	1.08	3.9
21.63	98.92	1.08	4.0
19.13	98.93	1.07	4.0
15.08	98.67	1.33	4.3
5.86	97.61	2.39	4.2
11.66	97.02	2.98	4.4
10.82	97.84	2.16	4.3
10.82	96.98	3.02	4.4
11.27	97.38	2.62	4.3
13.91	97.59	2.41	4.5
7.34	97.11	2.89	4.5
7.22	93.31	6.69	4.6
16.94	98.61	1.39	4.2
16.25	98.88	1.12	3.8
23.46	98.73	1.27	4.0
22.74	98.65	1.35	4.0
10.67	97.41	2.59	4.0
9.23	97.43	2.57	4.0
11.39	97.43	2.57	4.2
10.40	96.72	3.28	4.2
7.23	95.67	4.33	4.3
13.48	96.68	3.32	4.5

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33842/34	BL8+00	100"-110"	92.04	15.83
/35	BL8+00	110"-120"	91.22	15.95
/36	BL8+00	120"-130"	90.12	9.92
/37	BL8+00	130"-140"	83.26	3.53
/38	G4+100N	0-10"	91.66	9.59
/39	G4+100N	10"-20"	87.24	8.78
/40	G4+100N	20"-30"	91.66	16.07
/41	G4+100N	30"-40"	92.32	13.80
/42	G4+100S	0-10"	94.36	24.11
/43	G4+100S	10"-20"	94.14	28.33
/44	G4+100S	20"-30"	94.08	24.66
/45	G4+100S	30"-40"	93.06	23.05
/46	G4+100S	40"-50"	92.14	18.07
/47	G4+100S	50"-60"	87.90	10.58
/48	G4+100S	60"-70"	87.96	12.29
/49	G4+100S	70"-80"	91.56	17.92
/50	G4+100S	80"-90"	91.37	15.94
/51	G4+100S	90"-100"	88.40	8.28
/52	G4+100S	100"-110"	82.62	4.26
/53	G4+100S	110"-120"	82.90	3.48
/54	G7+83N	0-10"	96.44	34.83
/55	G7+83N	10"-20"	93.96	26.73
/56	G7+83N	20"-30"	95.42	27.95
/57	G7+83N	30"-40"	92.62	16.26
/58	G7+83N	40"-50"	91.02	6.68
/59	G7+83N	50"-60"	No Sample	
/60	G7+83N	60"-70"	91.92	11.63
/61	G7+83N	70"-80"	89.80	9.80
/62	G7+83N	80"-90"	91.84	19.36
/63	G7+83N	90"-100"	92.34	18.79
/64	G7+63S	0-10"	95.38	31.60
/65	G7+63S	10"-20"	94.28	20.63
/66	G7+63S	20"-30"	93.77	24.92
/67	G7+63S	30"-40"	94.80	30.00
/68	G7+63S	40"-50"	95.28	25.42
/69	G7+63S	50"-60"	91.44	17.06
/70	G7+63S	60"-70"	92.54	15.28
/71	G7+63S	70"-80"	No Sample	
/72	G7+63S	80"-90"	[illegible]	20.27

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.87	97.06	2.94	4.6
11.96	96.65	3.35	4.5
7.44	90.47	9.53	4.7
2.65	76.32	23.68	4.8
7.19	97.81	2.19	3.5
6.59	98.12	1.88	3.7
12.05	98.40	1.60	4.0
10.35	98.15	1.85	4.2
18.08	98.82	1.18	4.0
21.25	98.84	1.16	3.8
18.50	97.67	2.33	3.9
17.29	95.87	4.13	3.9
13.55	98.64	1.36	3.9
7.94	99.00	1.00	3.7
9.22	98.97	1.03	3.9
13.44	98.51	1.49	4.2
11.96	97.81	2.19	4.3
6.21	95.83	4.17	4.3
3.20	90.95	9.05	4.6
2.61	89.05	10.95	4.8
26.12	97.86	2.14	4.0
20.05	97.92	2.08	4.3
20.96	98.25	1.75	4.2
12.20	98.06	1.94	4.1
5.01	97.31	2.69	4.1
Not sufficient sample			4.4
8.72	94.88	5.12	4.2
7.35	94.92	5.08	4.4
14.52	96.71	3.29	4.5
14.09	95.97	4.03	4.6
23.70	98.86	1.14	4.4
15.47	98.40	1.60	4.1
18.69	98.92	1.08	4.2
22.50	98.87	1.13	4.2
19.07	98.81	1.19	4.5
12.80	98.04	1.96	4.3
11.46	97.40	2.60	4.6
Not sufficient sample			4.5
15.20	96.49	3.51	4.3

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33842/73	G7+63S	90"-100"	92.74	13.49
/74	G7+63S	100"-110"	93.20	21.47
/75	G7+63S	110"-120"	91.70	13.01
/76	G7+63S	120"-130"	88.90	8.83

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
10.12	96.21	3.79	4.6
16.11	92.90	2.10	4.6
9.76	97.13	2.87	4.5
6.62	90.30	9.70	4.9

Table 5

Reynold's Bog - Guysborough Co., N.S.
Bog # 33, Lobe 1, Total Samples - 93
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ft.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33846/1	BL0+00	0-1'	95.26	28.16
/2	BL0+00	1'-2'	93.58	31.15
/3	BL0+00	2'-3'	92.24	25.52
/4	BL0+00	3'-4'	93.18	22.87
/5	BL1+00	0-1'	95.54	21.97
/6	BL1+00	1'-2'	96.74	35.58
/7	BL1+00	2'-3'	95.70	26.98
/8	BL1+00	3'-4'	95.52	28.57
/9	BL1+00	4'-5'	95.66	29.49
/10	BL1+00	5'-6'	95.04	27.02
/11	BL1+00	6'-7'	93.58	17.45
/12	BL1+00	7'-8'	92.70	14.15
/13	BL4+00	0-1'	95.04	18.55
/14	BL4+00	1'-2'	95.36	25.86
/15	BL4+00	2'-3'	95.74	28.17
/16	BL4+00	3'-4'	94.76	30.53
/17	BL4+00	4'-5'	94.88	30.07
/18	BL4+00	5'-6'	95.92	26.32
/19	BL4+00	6'-7'	94.56	30.15
/20	BL4+00	7'-8'	92.30	15.58
/21	BL4+00	8'-9'	94.34	18.37
/22	BL4+00	9'-10'	89.70	5.63
/23	BL4+00	10'-11'	88.14	6.41
/24	BL8+00	0-1'	93.96	19.54
/25	BL8+00	1'-2'	95.24	26.47
/26	BL8+00	2'-3'	95.04	30.65
/27	BL8+00	3'-4'	93.98	21.26
/28	BL8+00	4'-5'	94.14	20.48
/29	BL8+00	5'-6'	94.08	24.32
/30	BL8+00	6'-7'	92.66	18.80
/31	BL8+00	7'-8'	92.58	19.95
/32	BL8+00	8'-9'	93.76	25.60
/33	BL8+00	9'-10'	92.86	18.77

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.62	93.82	6.18	4.3
23.36	97.70	2.30	4.5
19.14	97.80	2.20	4.1
17.15	97.97	2.03	4.4
16.48	98.47	1.53	4.1
26.69	98.60	1.40	4.2
20.24	98.76	1.24	4.5
21.43	98.75	1.25	4.4
22.18	98.58	1.42	4.2
20.27	98.55	1.45	4.3
13.09	97.15	2.85	4.2
10.61	96.54	3.46	4.4
13.91	98.51	1.49	4.1
19.40	98.97	1.03	4.3
21.13	99.00	1.00	4.1
22.90	98.99	1.01	4.2
22.55	98.65	1.35	4.2
19.74	98.87	1.13	4.3
22.61	98.73	1.27	4.5
11.69	98.47	1.53	4.4
13.78	98.23	1.77	4.3
4.22	95.99	4.01	4.4
4.81	73.25	26.75	4.5
14.66	98.01	1.99	4.0
19.85	98.83	1.17	3.8
22.99	99.15	0.85	3.9
15.95	99.01	0.99	4.3
15.36	99.06	0.94	4.3
18.24	98.85	1.15	4.4
13.95	98.63	1.37	4.2
14.96	98.63	1.37	4.3
19.20	98.81	1.19	4.3
14.08	98.63	1.37	4.3

Lab. #	Sample #	Depth (in ft.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33846/34	BL8+00	10'-10 1/2'	93.76	16.67
/35	BL12+00	0-1'	94.88	22.18
/36	BL12+00	1'-2'	94.38	29.89
/37	BL12+00	2'-3'	93.42	20.67
/38	BL12+00	3'-3 1/2'	90.66	13.28
/39	G1+120E	0-1'	93.58	--
/40	G1+120E	1'-2'	94.50	21.82
/41	G1+120E	2'-3'	94.80	29.23
/42	G1+120E	3'-4'	95.84	25.48
/43	G1+120E	4'-5'	93.32	18.86
/44	G1+120E	5'-6'	90.16	7.52
/45	G1+200W	0-1'	94.14	23.21
/46	G1+200W	1'-2'	94.60	24.07
/47	G1+200W	2'-3'	95.32	22.22
/48	G1+200W	3'-4'	94.04	27.18
/49	G1+200W	4'-5'	94.30	25.86
/50	G1+200W	5'-6'	93.94	34.98
/51	G1+200W	5'-7'	92.74	9.64
/52	G1+200W	7'-7 1/2'	92.00	14.00
/53	G4+200E	0-1'	95.72	25.23
/54	G4+200E	1'-2'	95.42	28.82
/55	G4+200E	2'-3'	96.16	35.42
/56	G4+200E	3'-4'	96.36	32.97
/57	G4+200E	4'-5'	94.98	31.16
/58	G4+200E	5'-6'	95.20	29.17
/59	G4+200E	6'-7'	94.78	22.22
/60	G4+200E	7'-8'	91.60	13.33
/61	G4+200W	0-1'	95.36	17.67
/62	G4+200W	1'-2'	96.12	25.26
/63	G4+200W	2'-3'	94.62	27.88
/64	G4+200W	3'-4'	95.38	22.51
/65	G4+200W	4'-5'	95.66	29.03
/66	G4+200W	5'-6'	95.36	25.00
/67	G4+200W	6'-7'	94.54	23.08
/68	G4+200W	7'-8'	93.54	21.52
/69	G4+200W	8'-9'	90.04	10.04
/70	G4+200W	9'-10'	92.12	10.57
/71	G4+200W	10'-11'	87.56	7.72

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
12.50	96.77	3.23	4.4
16.64	98.20	1.80	3.9
22.42	98.67	1.33	4.3
15.50	98.54	1.46	4.4
9.96	95.58	4.42	4.5
--	98.76	1.24	3.9
16.37	99.07	0.93	4.2
21.92	99.20	0.80	4.5
19.11	98.64	1.36	4.4
14.15	80.99	19.01	4.0
5.64	50.24	49.76	4.7
17.41	98.09	1.91	4.1
18.05	98.85	1.15	4.0
16.67	99.08	0.92	4.0
20.39	99.10	0.90	4.1
19.40	98.89	1.11	4.0
26.24	98.80	1.20	4.0
7.23	98.46	1.54	4.2
10.50	98.13	1.87	4.3
18.92	98.57	1.43	4.3
21.62	98.80	1.20	4.2
26.57	98.84	1.16	4.3
24.73	99.04	0.96	4.1
23.37	98.86	1.14	4.1
21.88	98.76	1.24	4.2
16.67	98.60	1.40	4.2
10.00	98.57	1.43	4.1
13.25	98.25	1.75	4.0
18.95	98.95	1.05	4.4
20.91	98.93	1.07	4.4
16.88	98.96	1.04	4.4
21.77	98.92	1.08	4.7
18.75	98.87	1.13	4.5
17.31	98.86	1.14	4.4
16.14	98.66	1.34	4.4
7.53	98.27	1.73	4.3
7.93	98.90	1.10	4.4
5.79	89.33	10.67	4.4

Lab. #	Sample #	Depth (in ft.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33846/72	G8+200E	0-1'	93.64	--
/73	G8+200E	1'-2'	92.26	19.89
/74	G8+200E	2'-3'	95.54	27.35
/75	G8+200E	3'-4'	95.04	21.77
/76	G8+130W	0-1'	95.02	26.50
/77	G8+130W	1'-2'	94.82	23.55
/78	G8+130W	2'-3'	95.78	27.96
/79	G8+130W	3'-4'	94.92	25.98
/80	G8+130W	4'-5'	94.74	28.14
/81	G8+130W	5'-6'	93.96	23.18
/82	G8+130W	6'-7'	93.10	18.26
/83	G8+130W	7'-8'	92.68	14.66
/84	G8+130W	8'-9'	92.96	16.19
/85	G8+130W	9'-10'	91.54	9.46
/86	G8+130W	10'-11'	83.98	4.42
/87	G12+160E	0-1'	95.68	36.11
/88	G12+160E	1'-2'	91.92	22.03
/89	G12+160E	2'-2.5'	94.96	31.75
/90	G12+150W	0-1'	94.04	20.13
/91	G12+150W	1'-2'	94.92	17.72
/92	G12+150W	2'-3'	92.42	18.73
/93	G12+150W	3'-3.5'	91.56	15.87

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	98.66	1.34	4.3
14.92	98.90	1.10	4.0
20.51	98.67	1.33	4.5
16.33	98.38	1.62	4.2
19.88	98.77	1.23	4.2
17.66	98.72	1.28	4.2
20.97	98.76	1.24	4.4
19.49	98.75	1.25	4.5
21.11	98.73	1.27	4.6
17.39	98.63	1.37	4.6
13.70	98.55	1.45	4.8
11.00	97.85	2.15	4.5
12.14	97.96	2.04	4.6
7.10	94.98	5.02	4.7
3.32	83.60	16.40	4.8
27.10	98.20	1.80	4.3
16.52	98.80	1.20	3.7
23.81	98.80	1.20	4.0
15.10	98.28	1.72	4.1
13.29	97.71	2.29	3.9
14.05	98.39	1.61	4.0
11.90	98.34	1.66	4.0

Table 6

Reynold's Bog - Guysborough Co., N.S.
Bog # 33, Lobe 2, Total Samples - 81
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33846/94	BL0+00	0-10"	93.44	--
/95	BL0+00	10"-20"	93.70	22.86
/96	BL0+00	20"-30"	92.84	24.58
/97	BL0+00	30"-40"	94.08	28.72
/98	BL0+00	40"-50"	93.84	25.00
/99	BL0+00	50"-60"	94.34	22.61
/100	BL0+00	60"-70"	92.32	15.10
/101	BL0+00	70"-80"	93.18	16.42
/102	BL0+00	80"-90"	90.94	12.80
/103	BL0+00	90"-100"	90.48	16.18
/104	BL4+00	0-10"	93.66	23.08
/105	BL4+00	10"-20"	95.70	18.41
/106	BL4+00	20"-30"	93.98	--
/107	BL4+00	30"-40"	93.02	20.63
/108	BL4+00	40"-50"	94.72	24.62
/109	BL4+00	50"-60"	93.28	19.35
/110	BL4+00	60"-70"	93.82	19.74
/111	BL4+00	70"-80"	93.94	22.44
/112	BL4+00	80"-90"	94.28	17.39
/113	BL4+00	90"-100"	93.06	14.99
/114	BL4+00	100"-110"	93.14	14.28
/115	BL8+00	0-10"	93.86	--
/116	BL8+00	10"-20"	93.98	23.26
/117	BL8+00	20"-30"	94.06	24.92
/118	BL8+00	30"-40"	94.74	26.99
/119	BL8+00	40"-50"	95.26	34.60
/120	BL8+00	50"-60"	95.22	27.20
/121	BL8+00	60"-70"	94.38	27.76
/122	BL8+00	70"-80"	95.22	20.79
/123	BL8+00	80"-90"	95.22	30.54
/124	BL8+00	90"-100"	94.66	22.84
/125	BL8+00	100"-110"	92.24	13.14
/126	BL8+00	110"-120"	94.40	12.50

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
--	98.95	1.05	4.2
17.15	99.07	0.93	3.9
18.44	98.96	1.04	4.1
21.54	98.94	1.06	4.1
18.75	98.92	1.08	4.2
16.96	98.65	1.35	4.1
11.33	95.87	4.13	4.2
12.32	98.83	1.17	4.0
9.60	96.26	3.74	4.2
12.14	94.93	5.07	4.3
17.31	98.53	1.47	4.3
13.81	98.63	1.37	4.4
--	98.79	1.21	4.2
15.47	98.73	1.27	4.3
18.47	98.54	1.46	4.5
14.51	98.55	1.45	4.5
14.81	98.00	2.00	4.6
16.83	98.21	1.79	4.5
13.04	96.10	3.90	4.5
11.24	98.29	1.71	4.4
10.71	91.83	8.17	4.5
--	98.26	1.74	4.3
17.45	98.81	1.19	4.2
18.69	98.80	1.20	4.2
20.24	98.92	1.08	4.2
25.95	98.82	1.18	4.4
20.40	98.80	1.20	4.2
20.82	98.60	1.40	4.3
15.59	98.43	1.57	4.3
22.91	98.22	1.78	4.1
17.13	97.65	2.35	4.3
9.86	97.48	2.52	4.4
9.40	97.51	2.49	4.2

Lab. #	Sample #	Depth (in ins)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33846/127	BL12+00	0-10"	94.66	20.22
/128	BL12+00	10"-20"	93.24	--
/129	BL12+00	20"-30"	96.44	24.72
/130	BL12+00	30"-40"	95.04	22.98
/131	BL12+00	40"-50"	94.52	12.41
/132	BL12+00	50"-60"	94.34	15.55
/133	BL12+00	60"-70"	93.00	16.86
/134	BL12+00	70"-80"	93.24	13.91
/135	BL12+00	80"-90"	91.92	14.36
/136	BL12+00	90"-100"	93.56	14.29
/137	BL12+00	100"-110"	94.08	16.89
/138	BL16+00	0-10"	90.98	12.19
/139	BL16+00	10"-20"	87.00	13.38
/140	BL16+00	20"-30"	91.66	10.31
/141	BL20+00	0-10"	92.20	--
/142	BL20+00	10"-20"	93.44	24.39
/143	BL20+00	20"-30"	94.58	31.99
/144	BL20+00	30"-40"	94.28	26.57
/145	BL20+00	40"-50"	95.04	27.42
/146	BL20+00	50"-60"	93.46	21.41
/147	BL20+00	60"-70"	93.82	24.59
/148	BL20+00	70"-80"	93.74	21.09
/149	BL20+00	80"-90"	93.38	22.96
/150	BL20+00	90"-100"	93.04	15.23
/151	BL20+00	100"-110"	94.68	--
/152	BL20+00	110"-120"	92.36	14.14
/153	BL24+00	0-10"	95.44	19.30
/154	BL24+00	10"-20"	93.48	--
/155	BL24+00	20"-30"	93.32	19.16
/156	BL24+00	30"-40"	93.40	16.36
/157	BL24+00	40"-50"	93.60	18.75
/158	BL24+00	50"-60"	89.78	9.39
/159	BL28+00	0-10"	93.66	--
/160	BL28+00	10"-20"	94.32	24.30
/161	BL28+00	20"-30"	93.32	20.36
/162	BL28+00	30"-40"	93.24	21.01
/163	BL28+00	40"-50"	91.28	13.99
/164	BL28+00	50"-60"	91.76	13.53
/165	BL28+00	60"-70"	91.74	19.13

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.17	98.19	1.81	4.3
--	98.65	1.35	4.9
18.54	98.52	1.48	4.5
17.23	98.49	1.51	4.1
9.56	98.21	1.79	4.7
11.66	96.65	3.35	4.6
12.64	98.37	1.63	4.5
10.43	98.33	1.67	4.8
10.77	97.53	2.47	4.8
10.72	97.27	2.73	4.7
12.67	96.17	3.83	4.7
9.14	98.15	1.85	3.8
10.04	98.27	1.73	3.8
7.73	20.11	79.89	4.6
--	96.62	3.38	4.0
18.29	97.87	2.13	3.7
23.99	98.37	1.63	3.9
19.28	98.71	1.29	4.1
20.57	98.70	1.30	4.2
16.06	98.70	1.30	4.2
18.44	98.52	1.48	4.2
15.82	98.00	2.00	4.0
17.22	97.81	2.19	4.2
11.42	95.26	4.74	4.3
--	92.48	7.52	4.2
10.61	89.99	10.01	4.4
14.50	97.54	2.46	4.0
--	98.25	1.75	4.3
14.37	98.32	1.68	4.4
12.27	97.93	2.07	4.4
14.06	97.33	2.67	4.4
7.04	85.00	15.00	4.6
--	98.30	1.70	3.9
18.23	98.67	1.33	3.7
15.27	98.29	1.71	3.8
15.76	96.50	3.50	4.0
10.49	94.06	5.94	3.8
10.15	97.10	2.90	4.0
14.35	94.33	5.67	3.8

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (over-dry basis)
33846/166	BL28+00	70"-80"	94.30	21.05
/167	BL28+00	80"-90"	92.40	19.47
/168	BL28+00	90"-100"	93.76	18.15
/169	BL28+00	100"-110"	89.70	10.87
/170	BL28+00	110"-120"	91.18	11.34
/171	BL28+00	120"-130"	90.80	16.09
/172	BL28+00	130"-140"	88.86	3.77
/173	BL28+00	140"-150"	84.14	2.52
/174	BL28+00	150"-160"	37.38	0.87

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.79	98.72	1.28	4.0
14.60	98.69	1.31	4.0
13.61	98.57	1.43	4.0
8.15	97.64	2.36	4.0
8.51	96.95	3.05	4.0
12.07	89.89	10.11	4.4
2.83	61.36	38.64	4.3
1.89	40.55	59.45	4.2
0.65	6.07	93.93	4.1

Table 7

Lincolnville Bog - Guysborough Co., N.S.
Bog #9, Total Samples - 288
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
3 3848/1	BL0+00	0-10"	92.54	12.87
/2	BL0+00	10"-20"	88.66	6.52
/3	BL2+00	0-10"	94.68	17.67
/4	BL2+00	10"-20"	91.30	16.32
/5	BL2+00	20"-30"	94.22	17.30
/6	BL2+00	30"-40"	92.52	16.84
/7	BL2+00	40"-50"	92.60	18.38
/8	BL2+00	50"-60"	93.16	19.30
/9	BL4+00	0-10"	92.68	14.21
/10	BL4+00	10"-20"	95.86	42.51
/11	BL4+00	20"-30"	92.20	18.20
/12	BL4+00	30"-40"	94.08	19.59
/13	BL4+00	40"-50"	92.50	18.40
/14	BL4+00	50"-60"	94.34	26.18
/15	BL4+00	60"-70"	93.96	22.18
/16	BL4+00	70"-80"	95.14	13.99
/17	BL4+00	80"-90"	89.16	7.56
/18	BL8+00	0-10"	94.92	23.62
/19	BL8+00	10"-20"	94.40	27.14
/20	BL8+00	20"-30"	93.10	18.84
/21	BL8+00	30"-40"	93.02	18.34
/22	BL8+00	40"-50"	94.54	22.34
/23	BL8+00	50"-60"	93.44	21.04
/24	BL8+00	60"-70"	95.16	28.10
/25	BL8+00	70"-80"	95.22	23.43
/26	BL8+00	80"-90"	93.38	21.45
/27	BL8+00	90"-100"	94.52	17.52
/28	BL8+00	100"-110"	92.50	15.20
/29	BL8+00	110"-120"	92.16	13.52
/30	BL8+00	120"-130"	91.24	15.30
/31	BL8+00	130"-140"	97.72	52.63
/32	BL8+00	140"-150"	90.66	5.35

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
9.65	97.15	2.85	3.6
4.89	96.12	3.88	4.0
13.25	97.16	2.84	3.7
12.24	96.80	3.20	4.0
12.98	97.40	3.60	4.0
12.63	95.58	4.42	4.1
13.78	95.73	4.27	4.8
14.48	94.27	5.73	4.8
10.66	98.50	1.50	4.4
31.88	98.44	1.56	4.0
13.65	96.08	3.92	4.3
14.69	98.52	1.48	4.2
13.80	97.09	2.91	4.1
19.64	98.47	1.53	4.4
16.64	98.48	1.52	4.3
10.49	97.38	2.62	4.4
5.67	93.93	6.07	4.4
17.72	98.49	1.51	3.9
20.36	98.81	1.19	4.0
14.13	98.89	1.11	4.4
13.76	98.31	1.69	4.4
16.76	98.83	1.07	4.6
15.78	99.03	0.97	4.4
21.08	98.92	1.08	4.6
17.57	98.92	1.08	4.7
16.09	98.74	1.26	4.1
13.14	98.35	1.65	4.5
11.40	98.40	1.60	4.4
10.14	98.29	1.71	4.4
11.48	98.11	1.89	4.3
39.47	98.09	1.91	4.6
4.01	93.29	6.71	5.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33848/33	BL12+00	0-10"	94.98	21.12
/34	BL12+00	10"-20"	93.52	24.07
/35	BL12+00	20"-30"	94.56	28.31
/36	BL12+00	30"-40"	95.10	23.67
/37	BL12+00	40"-50"	94.52	26.64
/38	BL12+00	50"-60"	95.56	23.87
/39	BL12+00	60"-70"	94.44	20.86
/40	BL12+00	70"-80"	94.60	19.26
/41	BL12+00	80"-90"	91.46	19.16
/42	BL12+00	90"-100"	93.34	16.82
/43	BL12+00	100"-110"	89.68	10.08
/44	BL12+00	110"-120"	92.88	12.92
/45	BL12+00	120"-130"	89.86	4.93
/46	BL12+00	130"-140"	88.02	5.34
/47	BL14+00	0-10"	89.74	14.42
/48	BL14+00	10"-20"	92.14	17.56
/49	BL14+00	20"-30"	91.00	17.33
/50	BL14+00	30"-40"	92.34	16.71
/51	BL14+00	40"-50"	92.96	15.91
/52	BL14+00	50"-60"	91.48	6.34
/53	G2+200E	0-10"	95.42	16.59
/54	G2+200E	10"-20"	95.04	28.22
/55	G2+200E	20"-30"	94.52	22.99
/56	G2+200E	30"-40"	91.20	15.45
/57	G2+200E	40"-50"	93.18	19.06
/58	G2+200E	50"-60"	94.18	14.09
/59	G2+200E	60"-70"	82.64	3.69
/60	G2+200E	70"-80"	84.52	2.45
/61	G2+400E	0-10"	95.70	23.72
/62	G2+400E	10"-20"	94.90	20.78
/63	G2+400E	20"-30"	94.70	23.40
/64	G2+400E	30"-40"	95.18	27.80
/65	G2+400E	40"-50"	95.58	28.96
/66	G2+400E	50"-60"	92.44	14.28
/67	G2+400E	60"-70"	89.44	11.17
/68	G2+400E	70"-80"	91.08	11.88
/69	G2+400E	80"-90"	90.80	[illegible]
/70	G2+400E	90"-100"	88.00	[illegible]
/71	G2+400E	100"-110"	89.76	[illegible]
/72	G2+400E	110"-120"	92.20	[illegible]

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.84	98.35	1.65	3.9
18.05	98.59	1.41	4.4
21.23	98.71	1.29	4.5
17.75	98.61	1.39	4.2
19.98	98.58	1.42	4.3
17.90	98.55	1.45	4.6
15.64	98.45	1.55	4.7
14.44	98.11	1.89	4.8
12.12	97.91	2.09	4.8
12.62	97.45	2.55	4.8
7.56	96.79	3.21	4.7
9.69	96.96	3.04	5.1
3.70	95.33	4.67	5.4
4.00	92.87	7.13	4.6
10.81	97.76	2.24	4.0
13.17	98.80	1.20	4.0
13.00	98.70	1.30	3.8
12.53	98.62	1.38	4.1
11.93	98.41	1.59	3.9
4.76	94.60	5.40	4.2
12.44	98.40	1.60	4.3
21.17	99.89	0.11	4.4
17.24	98.88	1.12	4.5
11.59	95.73	4.27	4.1
14.30	95.68	4.32	4.3
10.57	96.62	3.38	4.4
2.77	94.31	5.69	4.7
1.84	90.71	9.29	4.8
17.79	98.64	1.36	3.8
15.58	98.51	1.49	3.9
17.55	99.02	0.98	4.1
20.85	98.99	1.01	4.2
21.72	99.10	0.90	4.0
10.71	97.31	2.69	4.4
8.38	95.32	4.68	3.6
8.91	95.06	4.94	4.5
8.15	93.26	6.74	4.4
4.12	97. 67	2.83	4.3
7.76	91.73	8.27	4.4
8.55	92.45	7.55	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33848/73	G2+400E	120"-130"	91.70	11.32
/74	G2+250W	0-10"	92.88	17.42
/75	G2+250W	10"-20"	93.26	22.55
/76	G2+250W	20"-30"	94.10	29.76
/77	G2+250W	30"-40"	93.28	22.02
/78	G2+250W	40"-50"	94.16	31.68
/79	G2+250W	50"-60"	92.26	19.12
/80	G2+250W	60"-70"	49.72	2.39
/81	G4+200E	0-10"	99.76	39.00
/82	G4+200E	10"-20"	96.32	26.63
/83	G4+200E	20"-30"	94.92	21.65
/84	G4+200E	30"-40"	92.84	18.16
/85	G4+200E	40"-50"	92.48	17.02
/86	G4+200E	50"-60"	94.96	19.44
/87	G4+200E	60"-70"	93.90	17.05
/88	G4+200E	70"-80"	92.68	6.83
/89	G4+200E	80"-90"	92.50	15.20
/90	G4+200E	90"-100"	91.48	14.79
/91	G4+200E	100"-110"	91.38	15.31
/92	G4+200E	110"-120"	88.46	5.02
/93	G4+400E	0-10"	96.34	26.23
/94	G4+400E	10"-20"	93.90	23.61
/95	G4+400E	20"-30"	94.86	21.40
/96	G4+400E	30"-40"	94.02	26.76
/97	G4+400E	40"-50"	94.18	25.08
/98	G4+400E	50"-60"	94.28	20.28
/99	G4+400E	60"-70"	88.88	10.43
/100	G4+400E	70"-80"	93.54	16.41
/101	G4+400E	80"-90"	92.06	15.11
/102	G4+400E	90"-100"	91.94	11.41
/103	G4+400E	100"-110"	88.84	3.94
/104	G4+400E	110"-120"	92.00	9.50
/105	G4+400E	120"-130"	90.48	12.18
/106	G4+400E	130"-140"	92.20	7.69
/107	G4+200W	0-10"	95.38	26.41
/108	G4+200W	10"-20"	95.36	24.63
/109	G4+200W	20"-30"	95.40	23.04
/110	G4+200W	30"-40"	93.54	19.24
/111	G4+200W	40"-50"	92.38	18.37

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
8.49	90.58	9.42	4.7
13.06	98.50	1.50	3.8
16.91	98.46	1.54	3.7
22.32	98.51	1.49	3.8
16.52	98.55	1.45	3.9
23.76	98.17	1.83	3.8
14.34	98.14	1.86	4.6
1.79	98.68	1.32	4.6
29.25	98.38	1.62	4.0
19.97	98.81	1.10	4.5
16.24	98.75	1.25	4.5
13.62	98.57	1.43	4.4
12.76	98.83	1.17	4.4
14.58	98.83	1.17	4.4
12.79	98.68	1.32	4.5
5.12	97.88	2.12	4.6
11.40	98.46	1.54	4.7
11.09	97.57	2.43	4.8
11.48	96.92	3.08	4.5
3.76	83.26	16.74	4.9
19.67	98.55	1.45	4.0
17.71	98.79	1.21	4.3
16.05	98.98	1.02	4.5
20.07	98.94	1.06	4.6
18.81	99.01	0.99	4.2
15.21	98.80	1.20	4.4
7.82	98.85	1.15	4.5
12.31	97.80	2.20	4.4
11.33	97.90	2.10	4.5
8.56	97.20	2.80	4.7
2.96	93.92	6.08	4.8
7.12	96.17	3.83	4.8
9.14	95.95	4.05	4.7
5.77	85.45	14.55	4.8
19.81	97.59	2.41	4.2
25.97	97.42	2.58	4.5
17.28	98.17	1.83	4.5
13.68	98.20	1.80	4.5
13.78	98.73	1.27	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33848/112	G4+200W	50"-60"	94.16	21.23
/113	G4+200W	60"-70"	94.30	17.19
/114	G4+200W	70"-80"	93.90	15.41
/115	G4+200W	80"-90"	91.96	11.69
/116	G4+200W	90"-100"	90.42	10.02
/117	G4+200W	100"-110"	90.92	11.01
/118	G4+200W	110"-120"	88.30	6.84
/119	G4+400W	0-10"	94.80	25.00
/120	G4+400W	10-20"	93.60	22.81
/121	G4+400W	20"-30"	96.96	36.18
/122	G4+400W	30"-40"	94.98	27.89
/123	G4+400W	40"-50"	95.22	28.87
/124	G4+400W	50"-60"	94.74	25.48
/125	G4+400W	60"-70"	94.72	18.94
/126	G4+400W	70"-80"	93.80	17.74
/127	G8+200E	0-10"	94.56	22.79
/128	G8+200E	10"-20"	93.02	22.35
/129	G8+200E	20"-30"	95.98	37.31
/130	G8+200E	30"-40"	94.76	33.97
/131	G8+200E	40"-50"	92.60	17.57
/132	G8+200E	50"-60"	94.38	21.00
/133	G8+200E	60"-70"	94.04	16.78
/134	G8+200E	70"-80"	94.04	17.78
/135	G8+200E	80"-90"	93.82	13.92
/136	G8+200E	90"-100"	91.64	6.54
/137	G8+200E	100"-110"	92.16	10.46
/138	G8+200E	110"-120"	92.18	12.28
/139	G8+200E	120"-130"	73.02	1.48
/140	G8+400E	0-10"	95.30	16.60
/141	G8+400E	10"-20"	90.68	15.02
/142	G8+400E	20"-30"	94.80	26.54
/143	G8+400E	30"-40"	94.44	23.38
/144	G8+400E	40"-50"	93.16	18.42
/145	G8+400E	50"-60"	94.08	17.57
/146	G8+400E	60"-70"	95.08	21.54
/147	G8+400E	70"-80"	95.50	17.33
/148	G8+400E	80"-90"	91.14	7.45
/149	G8+400E	90"-100"	91.82	7.33
/150	G8+400E	100"-110"	90.42	4.54
/151	G8+400E	110"-120"	[illegible]	4.40

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.92	98.39	1.61	4.0
12.80	98.42	1.58	4.1
11.56	98.15	1.85	4.1
8.77	98.03	1.97	4.2
7.52	98.87	2.13	4.4
8.26	96.86	3.14	4.3
5.13	80.72	19.28	4.3
18.75	98.81	1.19	3.8
17.11	98.46	1.54	3.9
27.14	98.70	1.30	4.0
20.92	98.57	1.43	4.1
21.65	97.91	2.09	4.2
19.11	98.39	1.61	3.6
14.20	98.19	1.81	4.1
13.30	98.47	1.53	4.3
17.09	98.68	1.32	3.7
16.76	98.94	1.06	4.1
27.98	98.42	1.58	4.3
25.48	98.50	1.50	4.3
13.18	96.32	3.68	4.1
15.75	96.96	3.04	4.2
12.58	98.24	1.76	4.3
13.34	95.72	4.28	4.2
10.44	96.29	3.71	4.3
4.90	95.66	4.34	4.1
7.84	94.02	5.98	4.3
9.21	25.72	74.28	4.4
1.11	92.24	7.76	4.6
12.45	98.29	1.71	4.3
11.26	98.58	1.42	4.0
19.90	99.05	0.95	3.9
17.54	98.50	1.50	4.0
13.82	99.02	0.98	4.1
13.18	98.00	2.00	4.3
16.16	98.51	1.49	4.2
13.00	94.84	5.16	4.4
5.59	92.42	7.58	4.5
5.50	89.63	10.37	4.7
3.40	85.92	14.08	4.7
3.60	75.54	24.46	4.7

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33848/152	G8+200W	0-10"	94.96	29.76
/153	G8+200W	10"-20"	92.50	23.20
/154	G8+200W	20"-30"	93.66	19.24
/155	G8+200W	30"-40"	93.47	22.04
/156	G8+200W	40"-50"	94.94	27.27
/157	G8+200W	50"-60"	94.92	26.38
/158	G8+200W	60"-70"	95.38	26.84
/159	G8+200W	70"-80"	94.30	28.42
/160	G8+200W	80"-90"	94.04	18.12
/161	G8+200W	90"-100"	93.86	16.94
/162	G8+200W	100"-110"	92.40	13.68
/163	G8+200W	110"-120"	93.30	14.92
/164	G8+200W	120"-130"	91.44	19.86
/165	G8+200W	130"-140"	92.84	16.48
/166	G8+400W	0-10"	95.24	26.89
/167	G8+400W	10"-20"	93.90	23.28
/168	G8+400W	20"-30"	93.60	17.50
/169	G8+400W	30"-40"	94.44	21.58
/170	G8+400W	40"-50"	95.50	26.67
/171	G8+400W	50"-60"	95.62	28.31
/172	G8+400W	60"-70"	93.20	18.82
/173	G8+400W	70"-80"	94.40	17.14
/174	G8+400W	80"-90"	93.18	16.42
/175	G8+400W	90"-100"	91.36	11.34
/176	G12+175E	0-10"	94.52	25.55
/177	G12+175E	10"-20"	94.24	23.26
/178	G12+175E	20"-30"	94.46	28.16
/179	G12+175E	30"-40"	94.40	27.14
/180	G12+175E	40"-50"	96.94	50.98
/181	G12+175E	50"-60"	96.56	36.05
/182	G12+175E	60"-70"	94.22	25.95
/183	G12+175E	70"-80"	94.34	24.03
/184	G12+175E	80"-90"	93.94	27.06
/185	G12+175E	90"-100"	93.14	17.78
/186	G12+175E	100"-110"	93.26	21.36
/187	G12+175E	110"-120"	92.72	15.93
/188	G12+175E	120"-130"	92.92	7.91
/189	G12+175E	130"-140"	90.34	8.07
/190	G12+200W	0-10"	94.66	16.48
/191	G12+200W	10"-20"	93.68	20.25

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
22.32	98.54	1.46	4.1
17.40	98.13	1.87	4.0
14.43	97.13	2.87	4.4
16.53	95.75	4.25	4.3
20.45	98.00	2.00	4.4
19.78	98.51	1.49	4.1
20.13	98.97	1.03	4.6
21.32	98.87	1.13	4.5
13.59	97.83	2.17	4.4
12.70	93.77	6.23	4.2
10.26	92.79	7.21	4.3
11.19	94.14	5.86	4.1
14.90	95.57	4.43	4.3
12.36	92.75	7.25	4.5
20.17	98.26	1.74	3.8
17.46	98.87	1.13	4.4
13.12	97.56	2.44	4.5
16.18	98.77	1.23	4.5
20.00	98.66	1.34	4.5
21.23	98.48	1.52	4.2
14.12	98.31	1.69	4.4
12.86	98.39	1.61	4.5
12.32	97.92	2.08	4.8
8.50	91.93	8.07	4.7
19.16	98.16	1.84	3.9
17.44	98.26	1.74	3.8
21.12	98.58	1.42	4.0
20.36	98.59	1.41	4.1
38.23	98.68	1.32	3.9
27.04	98.54	1.46	4.0
19.46	98.62	1.38	4.1
18.02	98.54	1.46	4.4
20.30	98.27	1.73	4.3
13.34	96.65	3.35	4.1
16.02	98.16	1.84	3.9
11.95	98.44	1.56	4.0
5.93	97.90	2.10	4.3
6.05	96.84	3.16	4.3
12.36	98.67	1.33	[illegible]
15.19	98.75	1.25	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
33848/192	G12+200W	20"-30"	95.78	18.01
/193	G12+200W	30"-40"	94.48	21.74
/194	G12+200W	40"-50"	94.10	23.05
/195	G12+200W	50"-60"	94.66	15.73
/196	G12+200W	60"-70"	94.52	21.90
/197	G12+200W	70"-80"	94.90	19.22
/198	G12+200W	80"-90"	94.70	21.13
/199	G12+200W	90"-100"	92.70	6.03
/200	G12+200W	100"-110"	90.84	8.95
/201	G12+400W	0-10"	95.00	26.40
/202	G12+400W	10"-20"	93.22	21.83
/203	G12+400W	20"-30"	92.14	19.34
/204	G12+400W	30"-40"	92.78	15.79
/205	G12+400W	40"-50"	92.44	16.67
/206	G12+400W	50"-60"	93.94	19.80
/207	G12+400W	60"-70"	94.42	26.16
/208	G12+400W	70"-80"	94.54	23.08
/209	G12+400W	80"-90"	92.48	10.90
/210	G12+400W	90"-100"	89.98	5.59
/211	G12+400W	100"-110"	89.60	5.38
/212	G14+130E	0-10"	89.82	13.36
/213	G14+130E	10"-20"	92.64	20.92
/214	G14+130E	20"-30"	92.40	18.42
/215	G14+130E	30"-40"	91.78	16.79
/216	G14+130E	40"-50"	91.94	9.68
/217	G14+130E	50"-60"	91.44	10.28
/218	G14+130E	60"-70"	89.90	5.94
/219	G14+130E	70"-80"	97.02	16.78
/220	G14+150W	0-10"	97.16	56.34
/221	G14+150W	10"-20"	92.66	25.61
/222	G14+150W	20"-30"	92.74	13.22
/223	G14+150W	30"-40"	92.38	17.58
/224	G14+150W	40"-50"	94.16	21.23
/225	G14+150W	50"-60"	94.82	22.78
/226	G14+150W	60"-70"	93.64	21.38
/227	G14+150W	70"-80"	93.88	15.36
/228	G14+150W	80"-90"	89.42	3.97

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
13.51	98.75	1.25	4.0
16.30	98.28	1.72	3.9
17.29	98.05	1.95	4.2
11.80	95.41	4.59	4.0
16.42	98.28	1.72	4.2
14.42	97.83	2.17	4.1
15.85	98.08	1.92	3.9
4.52	92.48	7.52	4.3
6.71	90.04	9.96	4.5
19.80	98.36	1.64	3.7
16.37	96.75	3.25	4.3
14.50	91.80	8.20	3.9
11.84	92.33	7.67	3.8
12.50	93.63	6.37	4.0
14.85	96.22	3.78	4.3
19.62	98.71	1.29	4.4
17.31	98.48	1.52	4.2
8.18	93.85	6.15	4.2
4.19	89.62	10.38	4.2
4.04	80.39	19.61	4.2
10.02	90.46	9.54	3.6
15.69	93.47	6.53	3.7
13.82	95.54	4.46	3.7
12.59	93.77	6.23	3.8
7.26	90.06	9.94	3.9
7.71	97.51	2.49	4.1
4.46	94.49	5.51	4.0
12.58	89.31	10.69	4.1
42.26	98.12	1.88	4.0
19.21	98.64	1.36	4.0
9.92	97.84	2.16	4.1
13.18	97.94	2.06	4.6
15.92	98.71	1.29	4.3
17.08	98.57	1.43	4.3
16.03	98.53	1.47	4.2
11.52	98.54	1.46	4.2
2.98	96.99	3.01	[illegible]

Part 2 - 1965 Survey

Table 8

Glasgow Head - Guysborough Co., N. S.
Bog #1, Total Samples - 190
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35956/1	BL0+00	0-10"	94.84	28.29
/2	BL0+00	10"-20"	93.44	20.73
/3	BL0+00	20"-30"	92.32	19.79
/4	BL0+00	30"-40"	93.30	21.79
/5	BL0+00	40"-50"	92.50	13.33
/6	BL0+00	50"-60"	90.04	8.63
/7	BL0+00	60"-70"	90.72	6.68
/8	BL4+00	0-10"	96.28	26.34
/9	BL4+00	10"-20"	95.64	24.77
/10	BL4+00	20"-30"	95.38	22.51
/11	BL4+00	30"-40"	94.24	20.14
/12	BL4+00	40"-50"	94.86	28.79
/13	BL4+00	50"-60"	95.10	24.49
/14	BL4+00	60"-70"	95.06	26.72
/15	BL4+00	70"-80"	93.54	17.65
/16	BL4+00	80"-90"	93.04	12.07
/17	BL4+00	90"-100"	92.84	10.06
/18	BL4+00	100"-110"	89.78	7.24
/19	BL4+00	110"-120"	77.42	2.66
/20	BL8+00	0-10"	96.68	28.92
/21	BL8+00	10"-20"	95.48	24.34
/22	BL8+00	20"-30"	95.70	24.65
/23	BL8+00	30"-40"	95.44	26.32
/24	BL8+00	40"-50"	94.26	27.53
/25	BL8+00	50"-60"	95.24	26.05
/26	BL8+00	60"-70"	95.30	31.49
/27	BL8+00	70"-80"	95.78	28.91
/28	BL8+00	80"-90"	95.72	29.44
/29	BL8+00	90"-100"	95.22	21.76
/30	BL8+00	100"-110"	94.46	22.38
/31	BL8+00	110"-120"	93.78	22.19
/32	BL8+00	120"-130"	94.10	22.37
/33	BL8+00	130"-140"	91.00	11.56

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
21.22	98.08	1.92	4.1
15.55	97.60	2.40	3.9
14.84	98.52	1.48	3.8
16.34	97.78	2.22	3.9
10.00	98.06	1.94	3.8
6.47	96.49	3.51	3.9
5.01	96.47	3.53	4.0
19.76	98.24	1 76	3.9
18.58	98.18	1.82	4.0
16.88	89.79	1.21	3.9
15.11	98.62	1.38	3.9
21.59	98.80	1.20	3.9
18.37	98.59	1.41	4.1
20.04	98.55	1.45	4.2
13.24	98.50	1.50	4.2
9.05	97.46	2.54	4.2
7.55	96.51	3.49	4.3
5.43	90.31	9.69	4.2
2.00	55.50	44.50	4.4
21.69	98.29	1.71	3.9
18.26	98.72	1.28	4.0
18.49	98.90	1.10	4.1
19.74	98.67	1.33	4.2
20.65	98.58	1.42	4.3
19.54	98.80	1.20	4.1
23.62	98.97	1.03	4.4
21.68	98.68	1.32	4.3
22.08	98.65	1.35	4.2
16.32	98.54	1.46	4.2
16.78	98.14	1.86	4.3
16.64	98.08	1.92	4.4
16.78	97.86	2.14	4.4
8.67	83.69	6.31	4.5

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35956/34	BL12+00	0-10"	96.34	26.23
/35	BL12+00	10"-20"	94.46	19.86
/36	BL12+00	20"-30"	95.58	23.08
/37	BL12+00	30"-40"	95.60	25.45
/38	BL12+00	40"-50"	95.56	22.27
/39	BL12+00	50"-60"	96.02	29.65
/40	BL12+00	60"-70"	94.80	21.54
/41	BL12+00	70"-80"	95.60	29.09
/42	BL12+00	80"-90"	95.02	28.92
/43	BL12+00	90"-100"	94.74	26.24
/44	BL12+00	100"-110"	96.46	25.42
/45	BL12+00	110"-120"	95.80	29.52
/46	BL12+00	120"-130"	95.94	35.96
/47	BL12+00	130"-140"	95.86	28.02
/48	BL12+00	140"-150"	95.30	26.81
/49	BL12+00	150"-160"	94.00	19.67
/50	BL12+00	160"-170"	94.38	16.73
/51	BL12+00	170"-180"	93.68	15.51
/52	BL12+00	180"-190"	94.34	11.31
/53	BL12+00	190"-200"	92.84	10.34
/54	BL12+00	200"-210"	92.42	6.60
/55	BL12+00	210"-220"	90.72	9.70
/56	BL12+00	220"-230"	91.92	12.87
/57	BL16+00	0-10"	94.92	18.11
/58	BL16+00	10"-20"	93.88	22.88
/59	BL16+00	20"-30"	96.12	22.68
/60	BL16+00	30"-40"	95.82	25.36
/61	BL16+00	40"-50"	93.88	24.84
/62	BL16+00	50"-60"	95.36	32.76
/63	BL16+00	60"-70"	94.96	31.35
/64	BL16+00	70"-80"	94.88	30.86
/65	BL16+00	80"-90"	94.50	28.73
/66	BL16+00	90"-100"	95.40	31.74
/67	BL16+00	100"-110"	94.88	30.86
/68	BL16+00	110"-120"	93.26	24.04
/69	BL16+00	120"-130"	92.76	28.45
/70	BL16+00	130"-140"	93.06	24.50
/71	BL16+00	140"-150"	90.74	17.49
/72	BL16+00	150"-160"	90.40	17.29
/73	BL16+00	160"-170"	91.24	22.83
/74	BL16+00	170"-180"	92.32	21.72

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.67	98.93	1.07	3.9
14.90	98.86	1.14	4.2
17.31	98.93	1.07	4.2
19.09	98.88	1.12	4.1
16.70	98.69	1.31	4.0
22.24	98.92	1.08	4.1
16.16	98.83	1.17	4.1
21.82	98.83	1.17	4.1
21.69	98.69	1.31	4.1
19.68	98.71	1.29	4.0
19.07	98.76	1.24	4.1
22.14	98.56	1.44	4.1
26.97	98.66	1.34	4.1
21.02	98.32	1.68	4.2
20.11	98.04	1.96	4.2
14.75	98.12	1.88	4.2
12.55	98.96	1.04	4.2
11.63	98.20	1.80	4.2
8.48	97.24	2.76	4.2
7.76	95.87	4.13	4.3
4.95	94.41	5.59	4.2
7.28	94.69	5.31	4.3
9.65	95.74	4.26	4.3
13.58	98.21	1.79	4.1
17.16	98.56	1.44	4.2
17.01	97.96	2.04	4.3
19.02	98.52	1.48	4.3
18.63	98.53	1.47	4.0
24.57	98.74	1.26	4.2
23.51	98.89	1.11	4.2
23.15	98.73	1.27	4.2
21.55	98.64	1.36	4.1
23.81	98.58	1.42	4.2
23.15	98.52	1.48	4.2
18.63	98.32	1.68	4.2
21.34	98.51	1.49	4.3
18.38	98.12	1.88	4.2
13.12	98.47	1.53	4.3
12.97	98.37	1.63	4.4
17.12	97.18	2.82	4.3
8.79	84.02	15.98	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35956/75	BL16+00	180"-190"	89.64	8.69
/76	BL16+00	190"-200"	54.30	0
/77	G4+155E	0-10"	97.32	17.91
/78	G4+155E	10"-20"	95.34	20.60
/79	G4+155E	20"-30"	91.68	10.10
/80	G4+155E	30"-40"	92.72	14.84
/81	G4+169W	0-10"	94.68	20.30
/82	G4+169W	10"-20"	94.04	21.48
/83	G4+169W	20"-30"	94.84	22.87
/84	G4+169W	30"-40"	93.84	16.23
/85	G4+169W	40"-50"	94.02	21.74
/86	G4+169W	50"-60"	92.92	21.47
/87	G8+211E	0-10"	96.48	23.86
/88	G8+211E	10"-20"	96.14	33.68
/89	G8+211E	20"-30"	94.64	22.76
/90	G8+211E	30"-40"	94.48	25.00
/91	G8+211E	40"-50"	95.38	26.84
/92	G8+211E	50"-60"	94.68	19.17
/93	G8+211E	60"-70"	94.88	20.31
/94	G8+211E	70"-80"	95.74	21.60
/95	G8+211E	80"-90"	95.60	21.60
/96	G8+211E	90"-100"	97.76	25.00
/97	G8+211E	100"-110"	96.18	25.65
/98	G8+211E	110"-120"	94.46	16.60
/99	G8+211E	120"-130"	93.40	-
/100	G8+211E	130"-140"	93.00	13.14
/101	G8+211E	140"-150"	92.56	13.70
/102	G8+211E	150"-160"	92.64	13.32
/103	G8+180W	0-10"	96.06	22.34
/104	G8+180W	10"-20"	95.62	24.66
/105	G8+180W	20"-30"	94.92	23.23
/106	G8+180W	30"-40"	94.88	25.00
/107	G8+180W	40"-50"	94.26	26.83
/108	G8+180W	50"-60"	95.28	24.15
/109	G8+180W	60"-70"	94.72	24.62
/110	G8+180W	70"-80"	95.00	20.00
/111	G8+180W	80"-90"	94.50	18.18
/112	G8+180W	90"-100"	93.88	15.36

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
6.52	93.89	6.11	4.4
0	14.95	85.05	4.4
13.43	75.04	24.96	4.1
15.45	90.58	9.42	4.2
7.57	94.39	5.61	4.3
11.13	95.42	4.58	4.3
15.22	97.13	2.87	4.1
16.11	97.04	2.96	4.0
17.15	98.30	1.70	4.0
12.17	97.55	2.45	4.0
16.31	98.64	1.36	4.0
16.10	97.28	2.72	4.0
17.90	98.44	1.56	4.1
25.26	98.48	1.52	4.1
17.07	98.98	1.02	4.1
18.75	99.07	0.93	4.1
20.13	98.67	1.33	4.0
14.37	98.86	1.14	3.9
15.23	98.99	1.01	4.0
16.20	98.87	1.13	4.1
16.20	98.71	1.29	4.1
18.75	98.44	1.56	4.1
19.24	98.32	1.68	4.2
12.45	99.17	0.83	4.2
-	92.77	7.23	4.2
9.86	93.57	6.43	4.2
10.28	94.14	5.86	4.2
9.99	93.79	6.21	4.2
16.76	97.83	2.17	4.1
18.50	98.74	1.26	4.1
17.42	99.37	0.63	4.2
18.75	98.85	1.15	4.2
20.12	98.59	1.41	4.2
18.11	98.48	1.52	4.2
18.47	98.68	1.32	4.2
15.00	98.49	1.51	4.2
13.64	98.35	1.65	4.2
11.52	93.28	6.72	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35956/113	G8+180W	100"-110"	92.96	11.64
/114	G12+171E	0-10"	95.02	20.88
/115	G12+171E	10"-20"	93.78	22.19
/116	G12+171E	20"-30"	95.50	22.67
/117	G12+171E	30"-40"	93.08	18.79
/118	G12+171E	40"-50"	95.60	24.40
/119	G12+171E	50"-60"	96.06	22.84
/120	G12+171E	60"-70"	94.50	25.82
/121	G12+171E	70"-80"	95.44	28.95
/122	G12+171E	80"-90"	95.94	27.69
/123	G12+171E	90"-100"	95.06	24.29
/124	G12+171E	100"-110"	95.74	25.82
/125	G12+171E	110"-120"	94.68	16.54
/126	G12+171E	120"-130"	93.70	19.68
/127	G12+171E	130"-140"	92.78	14.02
/128	G12+171E	140"-150"	91.52	10.61
/129	G12+171E	150"-160"	92.16	11.99
/130	G12+200W	0-10"	96.26	22.99
/131	G12+200W	10"-20"	95.74	22.54
/132	G12+200W	20"-30"	94.98	22.31
/133	G12+200W	30"-40"	95.76	23.11
/134	G12+200W	40"-50"	95.04	27.02
/135	G12+200W	50"-60"	95.32	27.35
/136	G12+200W	60"-70"	95.00	23.60
/137	G12+200W	70"-80"	95.68	28.70
/138	G12+200W	80"-90"	94.36	25.18
/139	G12+200W	90"-100"	94.38	21.35
/140	G12+200W	100"-110"	94.66	22.85
/141	G12+200W	110"-120"	94.58	18.55
/142	G12+200W	120"-130"	93.92	21.71
/143	G12+200W	130"-140"	94.52	21.90
/144	G12+200W	140"-150"	93.36	17.47
/145	G12+200W	150"-160"	92.58	10.78
/146	G15+146E	0-10"	94.30	19.65
/147	G15+146E	10"-20"	94.00	21.00
/148	G15+146E	20"-30"	94.12	17.69
/149	G15+146E	30"-40"	94.30	18.25
/150	G15+146E	40"-50"	94.60	23.70
/151	G15+146E	50"-60"	94.66	25.09

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
8.73	98.24	1.76	4.2
15.66	98.08	1.92	4.1
16.64	98.90	1.10	4.0
17.00	98.86	1.14	4.0
14.09	98.90	1.10	4.1
18.30	98.85	1.15	4.1
17.13	98.95	1.05	4.0
19.37	99.00	1.00	4.2
21.71	99.11	0.99	4.2
20.77	98.91	1.09	4.2
18.22	98.78	1.22	4.2
19.37	98.52	1.48	4.2
12.41	98.01	1.99	4.2
14.76	97.81	2.19	4.2
10.52	96.95	3.05	4.2
7.96	98.39	1.61	4.2
8.99	97.93	2.07	4.2
17.24	98.55	1.45	4.1
16.91	98.82	1.18	4.2
16.73	98.96	1.04	4.2
17.48	98.86	1.14	4.3
20.27	98.72	1.28	4.4
20.51	98.88	1.12	4.4
17.70	98.83	1.17	4.4
21.53	98.90	1.10	4.4
18.89	98.77	1.23	4.4
16.01	98.66	1.34	4.3
17.14	98.30	1.70	4.4
13.91	96.23	3.77	4.4
16.28	97.96	2.04	4.4
16.43	97.82	2.18	4.5
13.10	98.27	1.73	4.4
8.09	97.09	2.91	4.4
14.74	99.27	0.73	4.4
15.75	98.70	1.30	4.5
13.27	98.78	1.22	4.4
13.69	98.62	1.38	4.5
17.78	98.74	1.26	4.5
18.88	98.53	1.47	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35956/152	G15+146E	60"-70"	93.52	25.55
/153	G15+146E	70"-80"	95.58	30.77
/154	G15+146E	80"-90"	94.28	27.27
/155	G15+146E	90"-100"	95.02	25.30
/156	G15+146E	100"-110"	94.66	24.34
/157	G15+146E	110"-120"	95.12	21.72
/158	G15+146E	120"-130"	94.72	22.73
/159	G15+146E	130"-140"	95.44	25.00
/160	G15+146E	140"-150"	94.48	27.54
/161	G15+146E	150"-160"	94.20	18.62
/162	G15+146E	160"-170"	93.30	20.60
/163	G15+146E	170"-180"	93.58	19.00
/164	G15+146E	180"-190"	90.54	10.99
/165	G15+146E	190"-200"	90.56	8.90
/166	G15+146E	200"-210"	87.76	4.41
/167	G15+146E	210"-220"	90.34	6.63
/168	G15+146E	220"-230"	89.72	10.70
/169	G15+146E	230"-240"	92.86	14.29
/170	G15+146E	240"-250"	95.18	19.10
/171	G15+210W	0-10"	94.58	9.89
/172	G15+210W	10"-20"	94.34	20.50
/173	G15+210W	20"-30"	94.92	24.80
/174	G15+210W	30"-40"	95.50	28.89
/175	G15+210W	40"-50"	94.76	23.66
/176	G15+210W	50"-60"	94.56	25.74
/177	G15+210W	60"-70"	94.66	26.59
/178	G15+210W	70"-80"	95.22	30.04
/179	G15+210W	80"-90"	94.70	24.91
/180	G15+210W	90"-100"	95.58	30.14
/181	G15+210W	100"-110"	94.80	23.08
/182	G15+210W	110"-120"	95.56	30.18
/183	G15+210W	120"-130"	95.16	26.86
/184	G15+210W	130"-140"	95.48	24.83
/185	G15+210W	140"-150"	94.46	19.13
/186	G15+210W	150"-160"	93.66	19.87
/187	G15+210W	160"-170"	92.14	12.98
/188	G15+210W	170"-180"	92.52	18.96
/189	G15+210W	180"-190"	92.22	14.40
/190	G15+210W	190"-200"	93.02	19.20

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.16	98.84	1.16	4.2
23.08	98.65	1.35	4.2
20.45	98.76	1.24	4.4
18.98	98.52	1.48	4.4
18.25	98.32	1.68	4.4
16.29	98.08	1.92	4.4
17.04	97.59	2.41	4.5
18.75	96.36	3.64	4.6
20.66	95.68	4.32	4.6
13.97	91.14	8.86	4.5
15.45	90.66	9.34	4.5
14.25	90.92	9.08	4.6
8.24	85.63	14.37	4.6
6.68	82.63	17.37	4.6
3.31	79.67	10.33	4.7
4.97	83.70	16.30	4.7
8.03	85.30	14.70	4.8
10.72	83.93	16.07	4.3
14.32	85.59	14.41	4.0
7.42	97.68	2.32	4.0
15.38	97.25	2.75	4.0
18.60	99.22	0.78	4.0
21.67	98.54	1.46	4.1
17.75	98.31	1.69	4.2
19.31	98.05	1.95	4.1
19.94	98.66	1.34	4.2
22.53	98.80	1.20	4.2
18.68	97.60	2.40	4.2
22.61	98.53	1.47	4.2
17.31	98.23	1.77	4.2
22.64	98.63	1.37	4.4
20.15	98.00	2.00	4.4
18.62	96.96	3.04	4.3
14.35	98.65	1.35	4.3
14.90	98.40	1.60	4.3
9.74	98.48	1.52	4.4
14.22	97.84	2.16	4.4
10.80	97.49	2.51	4.5
14.40	95.32	4.68	4.6

Table 9

Gaspereau - Guysborough Co., N. S.
Bog #10, Total No. of Samples - 148
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35958/1	Grid M	0-10"	94.78	24.14
/2	Grid M	10"-20"	92.94	20.40
/3	Grid M	20"-30"	92.80	23.06
/4	Grid M	30"-40"	93.26	25.22
/5	Grid M	40"-50"	92.26	20.93
/6	Grid M	50"-60"	93.96	29.14
/7	Grid M	60"-70"	93.36	26.20
/8	Grid M	70"-80"	93.78	26.05
/9	Grid M	80"-90"	93.78	27.01
/10	Grid M	90"-100"	93.50	25.54
/11	Grid M	100"-110"	94.00	25.00
/12	Grid M	110"-120"	92.02	17.79
/13	Grid M	120"-130"	90.62	14.93
/14	Grid M	130"-140"	91.00	16.22
/15	Grid M	140"-150"	90.04	14.86
/16	Grid M	150"-160"	87.26	10.52
/17	Grid M	160"-170"	86.82	8.65
/18	Grid M	170"-180"	87.54	0.32
/19	Grid N	0-10"	93.90	20.00
/20	Grid N	10"-20"	93.18	19.06
/21	Grid N	20"-30"	93.66	21.77
/22	Grid N	30"-40"	94.64	26.87
/23	Grid N	40"-50"	94.82	26.25
/24	Grid N	50"-60"	95.26	29.54
/25	Grid N	60"-70"	93.94	27.39
/26	Grid N	70"-80"	94.90	29.02
/27	Grid N	80"-90"	94.94	33.60
/28	Grid N	90"-100"	95.26	27.00
/29	Grid N	100"-110"	96.20	26.84
/30	Grid N	110"-120"	95.52	19.20
/31	Grid N	120"-130"	93.76	22.12
/32	Grid N	130"-140"	94.28	14.34
/33	Grid N	140"-150"	92.58	13.21
/34	Grid N	150"-160"	91.08	6.95

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.11	98.48	1.52	3.9
15.30	97.64	2.36	4.0
17.30	98.46	1.54	4.0
18.92	98.95	1.05	4.0
15.70	98.11	1.89	4.0
21.86	98.95	1.05	4.0
19.65	99.02	0.98	3.9
19.54	98.84	1.16	4.1
20.26	98.83	1.17	4.1
19.16	98.70	1.30	3.8
18.75	98.69	1.31	4.1
13.34	97.00	3.00	4.2
11.20	93.88	6.12	4.2
12.17	94.04	5.96	4.2
11.15	90.95	9.05	4.2
7.89	60.52	39.48	4.2
6.49	59.35	40.65	4.4
0.24	58.50	41.50	4.4
15.00	98.59	1.41	4.0
14.30	98.88	1.12	4.0
16.33	94.47	5.53	4.1
20.15	99.57	0.43	4.1
19.69	98.64	1.36	4.1
22.16	98.87	1.13	3.9
20.54	98.94	1.06	4.0
21.77	98.85	1.15	4.0
25.20	98.57	1.43	4.1
20.25	98.59	1.41	4.1
20.13	98.59	1.41	4.0
14.40	97.95	2.05	4.1
16.59	98.74	1.26	4.1
10.76	98.01	1.99	4.0
9.91	96.55	3.45	4.0
5.21	93.65	6.35	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35958/35	Grid N	160"-170"	92.02	8.02
/36	Grid N	170"-180"	91.42	7.69
/37	Grid N	180"-190"	91.66	8.87
/38	Grid N	190"-200"	91.38	9.98
/39	Grid O	0-10"	94.54	24.90
/40	Grid O	10"-20"	95.52	29.02
/41	Grid O	20"-30"	94.98	29.88
/42	Grid O	30"-40"	94.66	28.46
/43	Grid O	40"-50"	93.08	20.52
/44	Grid O	50"-60"	94.46	24.91
/45	Grid O	60"-70"	93.06	27.09
/46	Grid O	70"-80"	94.88	29.69
/47	Grid O	80"-90"	93.72	29.62
/48	Grid O	90"-100"	94.14	25.94
/49	Grid O	100"-110"	94.04	23.83
/50	Grid O	110"-120"	94.46	24.55
/51	Grid O	120"-130"	94.24	24.65
/52	Grid O	130"-140"	92.82	17.55
/53	Grid O	140"-150"	93.46	13.46
/54	Grid O	150"-160"	94.30	-
/55	Grid O	160"-170"	92.54	10.72
/56	Grid P	0-10"	96.98	16.56
/57	Grid P	10"-20"	94.86	-
/58	Grid P	20"-30"	93.00	18.29
/59	Grid P	30"-40"	94.02	28.09
/60	Grid P	40"-50"	94.48	27.17
/61	Grid P	50"-60"	95.72	32.24
/62	Grid P	60"-70"	95.20	30.42
/63	Grid P	70"-80"	95.46	30.84
/64	Grid P	80"-90"	94.58	26.94
/65	Grid P	90"-100"	94.94	27.67
/66	Grid P	100"-110"	95.84	27.40
/67	Grid P	110"-120"	95.12	20.49
/68	Grid P	120"-130"	95.06	24.70
/69	Grid P	130"-140"	94.78	16.86
/70	Grid P	140"-150"	93.68	13.61
/71	Grid P	150"-160"	92.02	11.28
/72	Grid P	160"-170"	93.82	19.12
/73	Grid P	170"-180"	92.00	10.25
/74	Grid P	180"-190"	93.48	8.89

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
6.02	91.86	8.14	3.9
5.77	88.83	11.17	3.8
6.65	86.72	13.28	4.1
7.49	86.81	13.19	4.1
18.68	97.94	2.06	3.9
21.77	98.82	1.18	4.0
22.41	99.00	1.00	4.0
21.35	99.00	1.00	4.0
15.39	99.03	0.97	4.0
18.68	99.04	0.96	3.9
20.32	93.60	6.40	3.9
22.27	99.01	0.99	4.0
22.22	99.14	0.86	3.8
19.46	99.01	0.99	4.0
17.87	98.89	1.11	4.0
18.4	98.95	1.05	4.1
18.49	98.65	1.35	4.1
13.16	95.80	4.20	4.1
10.10	94.49	5.51	4.2
--	92.82	7.18	4.2
8.04	90.58	9.42	4.2
12.42	97.74	2.26	4.1
--	97.75	2.25	4.1
13.72	98.59	1.41	4.0
21.07	98.43	1.57	4.1
20.38	98.81	1.19	4.1
24.18	98.59	1.41	4.1
22.68	98.90	1.10	4.0
23.13	98.67	1.33	4.1
20.21	98.97	1.03	4.2
20.75	98.81	1.19	4.1
20.55	98.83	1.17	4.2
15.37	98.91	1.09	4.2
18.53	98.70	1.30	4.2
12.65	98.69	1.31	4.2
10.21	98.66	1.34	4.2
8.46	98.80	1.20	4.2
14.34	98.50	1.50	4.2
7.69	97.15	2.85	4.2
6.67	97.55	2.45	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35958/75	Grid P	190"-200"	93.34	14.71
/76	Grid P	200"-210"	92.44	12.17
/77	Grid Q	0-10"	92.96	-
/78	Grid Q	10"-20"	94.86	25.68
/79	Grid Q	20"-30"	95.14	25.93
/80	Grid Q	30"-40"	95.70	24.19
/81	Grid Q	40"-50"	94.76	29.01
/82	Grid Q	50"-60"	93.58	21.50
/83	Grid Q	60"-70"	94.56	27.94
/84	Grid Q	70"-80"	94.86	23.74
/85	Grid Q	80"-90"	94.12	26.19
/86	Grid Q	90"-100"	94.56	26.84
/87	Grid Q	100"-110"	93.18	21.11
/88	Grid Q	110"-120"	94.80	22.69
/89	Grid Q	120"-130"	94.30	18.77
/90	Grid Q	130"-140"	92.96	17.61
/91	Grid Q	140"-150"	90.56	8.05
/92	Grid Q	150"-160"	89.72	5.64
/93	Grid Q	160"-170"	90.20	7.14
/94	Grid R	0-10"	94.96	12.62
/95	Grid R	10"-20"	94.62	22.68
/96	Grid R	20"-30"	94.24	25.69
/97	Grid R	30"-40"	93.18	19.35
/98	Grid R	40"-50"	92.84	16.20
/99	Grid R	50"-60"	94.56	26.47
/100	Grid R	60"-70"	93.38	20.54
/101	Grid R	70"-80"	93.58	23.05
/102	Grid R	80"-90"	93.72	25.61
/103	Grid R	90"-100"	93.48	25.32
/104	Grid R	100"-110"	92.06	13.60
/105	Grid R	110"-120"	91.88	17.98
/106	Grid R	120"-130"	91.74	8.96
/107	Grid R	130"-140"	93.98	10.63
/108	Grid R	140"-150"	90.48	9.03
/109	Grid R	150"-160"	92.10	10.89
/110	Grid R	160"-170"	89.94	7.36
/111	Grid R	170"-180"	92.14	9.41
/112	Grid S	0-10"	96.20	21.05
/113	Grid S	10"-20"	94.18	19.24

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.03	98.20	1.80	4.2
9.13	98.65	1.35	4.2
--	95.96	4.04	3.9
19.26	98.83	1.17	4.0
19.45	98.81	1.19	4.0
18.14	98.73	1.27	4.0
21.76	98.89	1.11	4.1
16.13	98.55	1.45	4.1
20.96	98.77	1.23	4.2
17.81	98.81	1.19	4.2
19.64	99.00	1.00	4.2
20.13	98.81	1.19	4.3
15.83	97.75	2.25	4.3
17.02	98.14	1.86	4.4
14.08	98.46	1.54	4.2
13.21	96.85	3.15	4.2
6.04	92.59	7.41	4.2
4.23	90.43	9.57	4.2
5.36	88.00	2.00	4.2
9.47	98.53	1.47	4.1
17.01	98.86	1.14	4.2
19.27	98.87	1.13	4.2
14.51	98.91	1.09	4.3
12.15	98.74	1.26	4.0
19.85	98.65	1.35	4.1
15.41	94.93	5.07	4.1
17.29	95.82	4.18	4.1
19.21	94.58	5.42	4.2
18.99	79.81	20.19	4.2
10.20	85.27	14.73	4.1
13.49	87.24	12.76	4.2
6.72	92.06	7.94	4.0
7.97	87.32	12.68	4.0
6.77	91.89	8.11	4.2
8.17	94.02	5.98	4.2
5.52	89.42	10.58	4.1
7.06	91.31	9.69	4.1
15.79	98.58	1.42	4.0
14.43	98.82	1.18	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35958/114	Grid S	20"-30"	94.02	19.06
/115	Grid S	30"-40"	95.38	22.08
/116	Grid S	40"-50"	94.58	25.46
/117	Grid S	50"-60"	94.76	21.37
/118	Grid S	60"-70"	93.98	26.58
/119	Grid S	70"-80"	95.54	26.91
/120	Grid S	80"-90"	93.86	27.36
/121	Grid S	90"-100"	95.26	27.00
/122	Grid S	100"-110"	93.98	23.84
/123	Grid S	110"-120"	93.82	19.42
/124	Grid S	120"-130"	93.32	20.66
/125	Grid S	130"-140"	94.40	19.63
/126	Grid S	140"-150"	92.90	13.24
/127	Grid T	0-10"	93.80	19.35
/128	Grid T	10"-20"	94.78	25.29
/129	Grid T	20"-30"	93.74	25.56
/130	Grid T	30"-40"	94.58	28.41
/131	Grid T	40"-50"	93.26	23.44
/132	Grid T	50"-60"	94.74	29.28
/133	Grid T	60"-70"	94.28	27.27
/134	Grid T	70"-80"	94.70	27.55
/135	Grid T	80"-90"	93.76	24.36
/136	Grid T	90"-100"	94.68	30.08
/137	Grid T	100"-110"	93.94	29.04
/138	Grid T	110"-120"	94.56	29.78
/139	Grid T	120"-130"	93.96	28.48
/140	Grid T	130"-140"	94.02	19.06
/141	Grid T	140"-150"	92.72	14.56
/142	Grid T	150"-160"	94.54	14.29
/143	Grid T	160"-170"	91.36	13.43
/144	Grid T	170"-180"	91.74	13.56
/145	Grid T	180"-190"	91.16	16.29
/146	Grid T	190"-200"	88.90	9.37
/147	Grid T	200"-210"	92.60	18.65
/148	Grid T	210"-220"	89.82	8.45

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
14.30	98.63	1.37	4.2
16.56	98.83	1.17	4.1
19.10	98.91	1.09	4.2
16.03	98.85	1.15	4.2
19.94	98.75	1.25	4.3
20.18	98.92	1.08	4.4
20.52	98.85	1.15	4.4
20.25	97.97	2.03	4.4
17.88	99.01	0.99	4.4
14.57	95.57	4.43	4.2
15.50	96.88	3.12	4.3
14.72	92.28	7.72	4.4
9.93	97.32	2.68	4.3
14.51	98.57	1.43	4.2
18.97	98.93	1.07	4.0
19.17	98.60	1.40	4.2
21.31	98.85	1.15	4.2
17.58	98.13	1.87	4.2
21.96	99.04	0.96	4.3
20.45	98.26	1.74	4.2
20.66	97.68	2.32	4.3
18.27	99.04	0.96	4.3
22.56	99.14	0.86	4.3
21.78	99.01	0.99	4.4
22.34	98.27	1.73	4.4
21.36	98.92	1.08	4.4
14.30	97.89	2.11	4.4
10.92	94.03	5.97	4.4
10.72	90.79	9.21	4.4
10.07	89.15	11.85	4.4
10.17	90.66	9.34	4.4
12.22	80.27	19.73	4.3
7.03	65.17	34.83	4.3
13.99	86.54	13.46	4.1
6.34	65.32	34.68	4.2

Table 10

Spinney Hill - Guysborough Co., N. S.
Bog #9, Total Samples - 145
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35957/1	Base Line A	0-10"	95.10	25.30
/2	Base Line A	10"-20"	95.20	27.08
/3	Base Line A	20"-30"	94.52	30.29
/4	Base Line A	30"-40"	93.84	25.65
/5	Base Line A	40"-50"	94.64	-
/6	Base Line A	50"-60"	94.68	25.19
/7	Base Line A	60"-70"	94.38	24.20
/8	Base Line A	70"-80"	96.00	24.44
/9	Base Line A	80"-90"	94.44	28.78
/10	Base Line A	90"-100"	95.22	23.43
/11	Base Line A	100"-110"	94.84	28.29
/12	Base Line A	110"-120"	91.54	12.06
/13	Base Line B	0-10"	95.72	23.83
/14	Base Line B	10"-20"	94.48	27.90
/15	Base Line B	20"-30"	94.64	29.10
/16	Base Line B	30"-40"	94.92	28.35
/17	Base Line B	40"-50"	90.24	24.83
/18	Base Line B	50"-60"	94.14	27.65
/19	Base Line B	60"-70"	93.32	21.26
/20	Base Line B	70"-80"	93.68	22.47
/21	Base Line B	80"-90"	98.58	17.13
/22	Base Line B	90"-100"	94.04	20.81
/23	Base Line B	100"-110"	91.64	12.20
/24	Base Line B	110"-120"	92.90	13.52
/25	Base Line B	120"-130"	91.38	10.90
/26	Base Line B	130"-140"	87.28	7.39
/27	Base Line C	0-10"	94.94	22.92
/28	Base Line C	10"-20"	94.52	28.10
/29	Base Line C	20"-30"	96.00	30.00
/30	Base Line C	30"-40"	94.84	25.58
/31	Base Line C	40"-50"	93.52	22.53
/32	Base Line C	50"-60"	94.38	23.13
/33	Base Line C	60"-70"	94.26	21.25

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.98	98.43	1.57	3.4
20.31	98.77	1.23	4.0
22.72	97.89	2.11	3.9
19.24	95.83	4.17	4.0
--	96.28	3.72	4.0
18.89	95.28	4.72	4.0
18.15	93.05	6.95	4.0
18.33	93.47	6.53	4.1
21.59	95.74	4.26	4.2
17.57	94.43	5.57	4.3
21.22	90.83	9.17	4.3
9.04	69.26	30.74	4.3
17.87	95.44	4.56	4.0
20.93	96.97	3.03	3.9
21.83	96.27	3.73	3.8
21.26	97.09	2.91	3.9
18.62	97.27	2.73	4.0
20.74	96.76	3.24	4.0
15.95	92.62	7.38	3.9
16.85	93.50	6.50	4.1
12.85	91.79	8.21	4.2
15.60	91.33	8.67	4.2
9.15	86.35	13.65	4.3
10.14	86.51	13.49	4.4
8.18	86.00	14.00	4.3
5.54	76.83	23.17	4.4
17.19	95.41	4.59	3.9
21.08	97.82	2.18	4.0
22.50	98.37	1.63	3.9
19.19	96.45	3.55	4.1
16.90	93.07	6.93	4.[illegible]
17.35	93.73	6.27	4.0
15.94	92.66	7.34	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35957/34	Base Line C	70"-80"	95.76	30.63
/35	Base Line C	80"-90"	91.34	16.17
/36	Base Line C	90"-100"	93.16	19.88
/37	Base Line C	100"-110"	93.54	22.29
/38	Base Line C	110"-120"	95.06	17.00
/39	Base Line D	0-10"	93.88	22.22
/40	Base Line D	10"-20"	94.44	25.90
/41	Base Line D	20"-30"	93.78	24.44
/42	Base Line D	30"-40"	95.04	27.42
/43	Base Line D	40"-50"	93.04	27.30
/44	Base Line D	50"-60"	93.56	22.67
/45	Base Line D	60"-70"	92.90	23.38
/46	Base Line D	70"-80"	92.66	20.73
/47	Base Line D	80"-90"	91.64	22.01
/48	Base Line D	90"-100"	94.46	31.48
/49	Base Line D	100"-110"	92.68	19.13
/50	Base Line D	110"-120"	94.90	25.10
/51	Base Line D	120"-130"	92.44	15.87
/52	Base Line D	130"-140"	93.70	11.11
/53	Base Line D	140"-150"	91.14	8.58
/54	Base Line D	150"-160"	89.64	6.17
/55	Base Line D	160"-170"	88.68	6.18
/56	Base Line D	170"-180"	91.16	12.67
/57	Grid E	0-10"	94.58	23.99
/58	Grid E	10"-20"	94.16	26.37
/59	Grid E	20"-30"	94.52	26.64
/60	Grid E	30"-40"	94.06	28.62
/61	Grid E	40"-50"	93.22	27.43
/62	Grid E	50"-60"	94.16	26.03
/63	Grid E	60"-70"	93.16	25.73
/64	Grid E	70"-80"	94.34	28.98
/65	Grid E	80"-90"	91.48	14.79
/66	Grid E	90"-100"	93.98	18.27
/67	Grid E	100"-110"	94.30	23.16
/68	Grid E	110"-120"	95.08	20.16
/69	Grid E	120"-130"	93.14	12.83
/70	Grid F	0-10"	94.92	24.80
/71	Grid F	10"-20"	95.92	28.92
/72	Grid F	20"-30"	94.98	26.29

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
22.97	94.18	5.82	4.1
12.13	88.24	11.76	4.1
14.91	89.79	10.21	4.1
16.72	95.38	4.62	4.2
12.75	89.13	10.87	4.1
16.67	98.58	1.42	4.0
19.43	98.45	1.55	3.9
18.33	96.85	3.15	3.9
20.57	96.51	3.49	4.0
20.48	93.21	6.79	4.1
17.00	91.65	8.35	4.1
17.54	96.60	3.40	4.1
15.55	93.20	6.80	4.2
16.51	92.18	7.82	4.2
23.61	97.14	2.86	4.4
14.35	95.18	4.82	4.3
18.83	97.91	2.09	4.2
11.90	91.32	8.68	4.2
8.33	89.05	10.95	4.4
6.44	82.20	17.80	4.4
46.27	80.81	19.19	4.4
4.64	78.95	21.05	4.4
9.50	81.28	18.72	4.4
17.99	98.73	1.27	4.1
19.78	98.77	1.23	4.0
19.98	98.48	1.52	4.0
21.47	98.90	1.10	4.0
20.57	96.05	3.95	4.0
19.52	95.33	4.67	4.0
19.30	93.64	6.36	4.1
21.74	95.95	4.05	4.1
11.09	90.18	9.82	4.2
13.70	92.83	7.17	4.2
17.37	93.19	6.81	4.3
15.12	92.42	7.58	4.3
9.62	88.95	11.05	4.4
18.60	98.07	1.92	4.3
21.69	97.65	2.35	4.2
19.72	97.55	2.45	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35957/73	Grid F	30"-40"	94.94	30.04
/74	Grid F	40"-50"	93.90	22.62
/75	Grid F	50"-60"	98.52	26.64
/76	Grid F	60"-70"	93.36	26.20
/77	Grid F	70"-80"	93.52	22.53
/78	Grid F	80"-90"	93.84	22.73
/79	Grid F	90"-100"	94.78	25.29
/80	Grid F	100"-110"	93.44	25.91
/81	Grid G	0-10"	94.00	21.33
/82	Grid G	10"-20"	94.08	26.69
/83	Grid G	20"-30"	94.38	20.28
/84	Grid G	30"-40"	93.90	24.92
/85	Grid G	40"-50"	92.70	14.79
/86	Grid G	50"-60"	92.98	19.66
/87	Grid G	60"-70"	93.94	20.46
/88	Grid H	0-10"	95.86	27.54
/89	Grid H	10"-20"	94.44	25.54
/90	Grid H	20"-30"	93.74	23.64
/91	Grid H	30"-40"	93.20	20.88
/92	Grid H	40"-50"	92.94	25.50
/93	Grid H	50"-60"	92.42	21.90
/94	Grid H	60"-70"	93.38	25.08
/95	Grid H	70"-80"	93.22	20.35
/96	Grid H	80"-90"	92.46	20.69
/97	Grid H	90"-100"	94.30	18.25
/98	Grid H	100"-110"	92.28	16.84
/99	Grid J	0-10"	95.44	25.00
/100	Grid J	10"-20"	94.60	25.00
/101	Grid J	20"-30"	93.32	18.56
/102	Grid J	30"-40"	93.04	19.25
/103	Grid J	40"-50"	93.16	26.32
/104	Grid J	50"-60"	93.02	24.93
/105	Grid J	60"-70"	93.80	18.39
/106	Grid J	70"-80"	93.46	21.41
/107	Grid J	80"-90"	93.90	31.15
/108	Grid J	90"-100"	92.84	17.88
/109	Grid J	100"-110"	92.46	11.41
/110	Grid J	110"-120"	89.66	5.61
/111	Grid J	120"-130"	89.22	8.35

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
22.53	98.32	1.68	3.9
16.96	95.20	4.80	3.9
19.98	93.12	6.88	4.0
19.65	94.18	5.82	4.0
16.90	92.76	7.24	3.9
17.05	95.52	4.48	3.8
18.97	94.26	5.74	4.0
19.43	94.28	5.72	4.0
16.00	98.77	1.23	3.9
20.02	99.00	1.00	3.9
15.21	96.57	3.43	4.0
18.69	96.56	3.44	4.0
11.09	98.95	1.05	4.0
14.75	98.92	1.08	4.0
15.35	97.09	2.91	4.0
20.66	98.91	1.09	4.1
19.16	99.01	0.99	4.0
17.73	98.91	1.09	4.0
15.66	98.98	1.02	4.0
19.13	99.04	0.96	4.0
16.43	99.00	1.00	4.0
18.81	98.84	1.16	4.0
15.26	96.19	3.81	4.0
15.52	98.87	1.13	4.0
13.69	98.84	1.16	4.0
12.63	96.79	3.21	4.0
18.75	98.87	1.13	4.0
18.75	98.96	1.04	3.9
13.92	98.86	1.14	4.0
14.44	99.14	0.86	4.0
19.74	99.05	0.95	4.1
18.70	99.04	0.96	4.0
13.79	98.87	1.13	4.1
16.06	98.91	1.09	4.0
23.36	98.99	1.01	4.0
13.41	98.81	1.19	4.0
8.56	95.97	4.03	4.0
4.21	91.00	9.00	4.1
6.26	90.67	9.33	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35957/112	Grid J	130"-140"	92.18	11.76
/113	Grid K	0-10"	94.32	20.42
/114	Grid K	10"-20"	95.02	26.10
/115	Grid K	20"-30"	95.14	31.28
/116	Grid K	30"-40"	94.42	24.73
/117	Grid K	40"-50"	92.36	22.51
/118	Grid K	50"-60"	94.48	25.72
/119	Grid K	60"-70"	92.76	23.48
/120	Grid K	70"-80"	93.30	22.09
/121	Grid K	80"-90"	93.22	21.53
/122	Grid K	90"-100"	93.32	22.46
/123	Grid K	100"-110"	92.72	17.03
/124	Grid K	110"-120"	91.80	10.24
/125	Grid K	120"-130"	87.86	8.07
/126	Grid K	130"-140"	88.90	11.35
/127	Grid L	0-10"	94.84	24.03
/128	Grid L	10"-20"	94.72	26.89
/129	Grid L	20"-30"	95.28	34.32
/130	Grid L	30"-40"	94.14	23.89
/131	Grid L	40"-50"	93.64	24.53
/132	Grid L	50"-60"	94.60	26.30
/133	Grid L	60"-70"	93.50	22.46
/134	Grid L	70"-80"	94.74	25.86
/135	Grid L	80"-90"	95.98	31.34
/136	Grid L	90"-100"	93.10	18.26
/137	Grid L	100"-110"	91.70	10.36
/138	Grid L	110"-120"	91.50	6.59
/139	Grid L	120"-130"	92.82	9.75
/140	Grid E	130"-140"	90.36	8.09
/141	Grid E	140"-150"	88.42	8.12
/142	Grid E	150"-160"	87.52	6.57
/143	Grid E	160"-170"	90.18	6.72
/144	Grid E	170"-180"	88.76	6.58
/145	Grid E	180"-190"	89.18	3.88

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
8.82	92.15	7.85	4.2
15.32	98.54	1.46	4.0
19.58	99.07	0.93	3.8
23.46	98.89	1.11	3.9
18.55	98.73	1.27	4.0
16.88	97.08	2.92	4.0
19.29	98.79	1.21	4.0
17.61	96.66	3.34	4.0
16.57	97.42	2.58	4.0
16.15	96.31	3.69	4.1
16.85	95.67	4.33	4.0
12.77	92.38	7.62	4.1
7.68	84.41	5.59	4.1
6.05	87.86	2.14	4.1
8.51	88.85	11.15	4.0
18.02	98.71	1.29	4.1
20.17	99.02	0.98	4.1
25.74	96.70	3.30	4.1
17.92	98.87	1.13	4.0
18.40	99.12	0.88	4.0
19.73	99.08	0.92	4.1
16.85	98.59	1.41	4.1
19.40	99.15	0.85	4.0
23.51	93.81	6.19	4.0
13.70	91.38	8.62	4.0
7.77	91.62	8.38	4.0
4.94	88.27	11.73	4.0
7.31	90.01	9.99	4.1
6.07	88.92	11.08	4.2
6.09	86.54	13.46	4.1
4.93	85.58	14.42	4.4
5.04	84.34	15.66	4.3
4.94	85.40	14.60	4.4
2.91	72.30	27.70	4.4

Table 11

Seven Islands - Guysborough Co., N. S.
Bog #8, Total Samples - 209
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/1	Base Line AA	0-10"	94.28	27.97
/2	Base Line AA	10"-20"	94.50	24.36
/3	Base Line AA	20"-30"	93.68	25.00
/4	Base Line AA	30"-40"	93.22	25.37
/5	Base Line AA	40"-50"	92.98	23.08
/6	Base Line AA	50"-60"	92.92	26.84
/7	Base Line AA	60"-70"	92.02	15.79
/8	Base Line AA	70"-80"	91.26	16.25
/9	Base Line AA	80"-90"	91.58	14.49
/10	Base Line AA	90"-100"	91.96	11.94
/11	Base Line BB	0-10"	95.86	26.57
/12	Base Line BB	10"-20"	93.34	22.52
/13	Base Line BB	20"-30"	92.88	23.31
/14	Base Line BB	30"-40"	94.18	25.77
/15	Base Line BB	40"-50"	93.86	29.64
/16	Base Line BB	50"-60"	94.34	30.04
/17	Base Line BB	60"-70"	93.94	29.37
/18	Base Line BB	70"-80"	94.80	28.08
/19	Base Line BB	80"-90"	94.06	25.25
/20	Base Line BB	90"-100"	93.82	23.95
/21	Base Line BB	100"-110"	93.52	17.59
/22	Base Line BB	110"-120"	91.76	9.47
/23	Base Line BB	120"-130"	92.10	12.41
/24	Base Line BB	130"-140"	89.32	6.74
/25	Base Line BB	140"-150"	87.56	5.14
/26	Base Line BB	150"-160"	66.18	2.01
/27	Base Line CC	0-10"	94.58	22.14
/28	Base Line CC	10"-20"	93.80	24.19
/29	Base Line CC	20"-30"	93.30	20.90
/30	Base Line CC	30"-40"	94.42	27.60
/31	Base Line CC	40"-50"	95.42	34.06
/32	Base Line CC	50"-60"	94.04	25.17
/33	Base Line CC	60"-70"	93.62	25.39

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
20.98	98.29	1.71	3.8
18.27	96.09	3.91	4.0
18.75	98.66	1.34	3.9
19.03	97.39	2.61	3.9
17.31	97.07	2.93	3.9
20.13	97.87	2.13	3.9
11.84	90.25	9.75	3.7
12.19	92.84	7.16	3.8
10.87	88.96	11.04	3.9
8.96	88.50	11.50	3.9
19.93	98.99	1.01	4.0
16.89	99.00	1.00	4.1
17.48	97.17	2.83	4.0
19.33	97.15	2.85	4.0
22.23	97.90	2.10	4.1
22.53	98.59	1.41	4.0
22.03	98.68	1.32	4.1
21.06	98.59	1.41	4.1
18.94	98.57	1.43	4.1
17.96	98.00	2.00	4.1
13.19	98.47	1.53	4.1
7.10	97.72	2.28	4.1
9.31	97.55	2.45	4.2
5.06	94.11	5.89	4.2
3.86	87.00	13.00	4.3
1.51	12.08	87.92	4.4
16.61	98.05	1.95	4.0
18.14	98.44	1.56	4.1
15.68	98.49	1.51	4.1
20.70	98.54	1.46	4.1
25.55	98.57	1.43	4.2
18.88	98.67	1.33	4.2
19.04	98.67	1.33	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/34	Base Line CC	70"-80"	94.80	27.69
/35	Base Line CC	80"-90"	93.86	26.38
/36	Base Line CC	90"-100"	94.74	26.62
/37	Base Line CC	100"-110"	90.90	17.14
/38	Base Line CC	110"-120"	95.32	27.78
/39	Base Line CC	120"-130"	94.48	27.17
/40	Base Line CC	130"-140"	98.22	23.53
/41	Base Line CC	140"-150"	93.52	21.30
/42	Base Line CC	150"-160"	94.40	21.43
/43	Base Line CC	160"-170"	93.02	14.61
/44	Base Line CC	170"-180"	93.38	13.29
/45	Base Line CC	180"-190"	92.66	11.72
/46	Base Line CC	190"-200"	92.98	17.66
/47	Base Line DD	0-10"	94.64	22.01
/48	Base Line DD	10"-20"	91.54	23.17
/49	Base Line DD	20"-30"	95.48	26.99
/50	Base Line DD	30"-40"	95.84	32.69
/51	Base Line DD	40"-50"	94.20	23.45
/52	Base Line DD	50"-60"	95.12	28.28
/53	Base Line DD	60"-70"	95.58	28.51
/54	Base Line DD	70"-80"	94.56	26.19
/55	Base Line DD	80"-90"	93.64	16.04
/56	Base Line DD	90"-100"	92.80	11.67
/57	Base Line DD	100"-110"	90.18	8.15
/58	Base Line EE	0-10"	94.50	21.82
/59	Base Line EE	10"-20"	93.64	28.30
/60	Base Line EE	20"-30"	93.06	22.77
/61	Base Line EE	30"-40"	93.20	25.00
/62	Base Line EE	40"-50"	93.22	25.66
/63	Base Line EE	50"-60"	93.08	22.83
/64	Base Line EE	60"-70"	90.76	18.61
/65	Base Line EE	70"-80"	93.10	25.22
/66	Base Line EE	80"-90"	91.84	22.55
/67	Base Line EE	90"-100"	91.98	18.70
/68	Grid FF	0-10"	95.56	22.97
/69	Grid FF	10"-20"	95.10	27.35
/70	Grid FF	20"-30"	93.22	21.24
/71	Grid FF	30"-40"	91.88	19.95
/72	Grid FF	40"-50"	86.72	6.93

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
20.77	98.74	1.26	4.2
19.79	98.53	1.47	4.1
19.97	98.97	1.03	4.2
12.85	98.37	1.63	4.1
20.83	98.51	1.49	4.1
20.37	98.38	1.62	4.1
17.65	98.33	1.67	4.1
15.98	98.37	1.63	4.0
16.07	98.15	1.85	4.1
10.96	95.70	4.30	4.1
99.68	94.20	5.80	4.1
8.79	93.15	6.85	4.1
13.25	92.22	7.78	4.2
16.50	98.53	1.47	4.0
17.37	98.45	1.55	4.0
20.24	98.74	1.26	4.0
24.52	98.73	1.27	4.0
17.59	98.84	1.16	4.0
21.21	98.68	1.32	4.0
21.38	98.57	1.43	4.1
19.64	98.46	1.54	4.1
12.03	96.65	3.35	4.1
8.75	94.78	5.22	4.2
8.11	89.43	10.57	4.2
16.37	55.93	44.07	3.9
21.23	86.18	13.82	3.9
17.08	96.61	3.39	3.8
18.75	92.29	7.71	3.9
19.25	97.19	2.81	3.9
17.12	98.40	1.60	3.9
13.96	98.21	1.79	4.0
18.32	98.45	1.55	4.0
16.91	96.55	3.45	4.0
14.03	98.63	1.37	4.0
17.23	98.82	1.18	3.9
20.51	96.51	3.49	4.0
15.93	96.04	3.96	4.0
14.96	98.61	1.39	4.0
5.20	98.85	1.15	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/73	Grid FF	50"-60"	44.28	-
/74	Grid GG	0-10"	95.34	21.03
/75	Grid GG	10"-20"	94.02	23.41
/76	Grid GG	20"-30"	93.20	22.65
/77	Grid GG	30"-40"	93.26	21.96
/78	Grid GG	40"-50"	92.22	22.11
/79	Grid GG	50"-60"	92.32	20.57
/80	Grid GG	60"-70"	92.10	21.52
/81	Grid GG	70"-80"	92.76	21.55
/82	Grid GG	80"-90"	92.90	25.63
/83	Grid GG	90"-100"	93.16	21.99
/84	Grid GG	100"-110"	91.96	14.43
/85	Grid GG	110"-120"	92.54	12.60
/86	Grid HH	0-10"	95.02	21.69
/87	Grid HH	10"-20"	93.96	23.84
/88	Grid HH	20"-30"	94.98	28.29
/89	Grid HH	30"-40"	94.84	29.07
/90	Grid HH	40"-50"	94.50	30.91
/91	Grid HH	50"-60"	94.14	25.60
/92	Grid HH	60"-70"	94.88	23.86
/93	Grid JJ	0-10"	95.08	24.39
/94	Grid JJ	10"-20"	93.74	24.28
/95	Grid JJ	20"-30"	94.36	28.17
/96	Grid JJ	30"-40"	92.66	24.80
/97	Grid JJ	40"-50"	93.82	26.86
/98	Grid JJ	50"-60"	94.24	30.56
/99	Grid JJ	60"-70"	93.36	23.49
/100	Grid KK	0-10"	95.22	21.34
/101	Grid KK	10"-20"	94.28	24.48
/102	Grid KK	20"-30"	93.88	27.45
/103	Grid KK	30"-40"	93.64	25.47
/104	Grid KK	40"-50"	93.52	25.00
/105	Grid KK	50"-60"	94.56	28.68
/106	Grid KK	60"-70"	93.68	32.28
/107	Grid KK	70"-80"	94.18	26.80
/108	Grid KK	80"-90"	93.74	30.67
/109	Grid KK	90"-100"	93.10	20.58
/110	Grid KK	100"-110"	92.40	20.79

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
Nil	9.84	90.16	4.6
15.77	97.93	2.07	4.0
17.56	98.26	1.74	4.0
16.99	98.42	1.58	4.1
16.47	98.55	1.45	4.1
16.58	98.41	1.59	4.0
15.43	98.24	1.76	4.0
16.14	98.04	1.96	4.0
16.16	98.58	1.42	4.0
19.22	98.40	1.60	4.0
16.49	98.32	1.68	4.0
10.82	95.42	4.58	4.0
9.45	92.45	7.55	4.0
16.27	98.41	1.59	3.8
17.88	98.59	1.41	3.8
21.22	98.72	1.28	3.8
21.80	98.62	1.38	4.0
23.18	98.70	1.30	4.0
19.20	58.69	41.31	3.9
17.90	98.51	1.49	3.9
18.29	98.64	1.36	4.0
18.21	98.50	1.50	4.0
21.13	98.42	1.58	4.1
18.60	98.82	1.18	4.0
20.15	98.75	1.25	4.0
22.92	98.71	1.29	4.1
17.62	95.68	4.32	4.1
16.01	98.61	1.39	3.9
18.36	98.42	1.58	4.0
20.59	97.03	2.97	4.0
19.10	97.05	2.95	3.9
18.75	98.79	1.21	4.0
21.51	97.42	2.58	4.0
24.21	97.07	2.93	4.0
20.10	98.86	1.14	4.0
23.00	97.56	2.44	4.0
15.43	95.97	4.03	4.0
15.59	96.37	3.63	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/111	Grid KK	110"-120"	92.98	21.08
/112	Grid KK	120"-130"	93.98	18.94
/113	Grid KK	130"-140"	93.20	14.71
/114	Grid KK	140"-150"	91.40	9.53
/115	Grid KK	150"-160"	89.64	7.72
/116	Grid KK	160"-170"	90.26	10.88
/117	Grid LL	0-10"	94.48	26.09
/118	Grid LL	10"-20"	94.14	25.60
/119	Grid LL	20"-30"	92.90	23.38
/120	Grid LL	30"-40"	93.48	25.15
/121	Grid LL	40"-50"	93.28	24.70
/122	Grid LL	50"-60"	94.14	29.01
/123	Grid LL	60"-70"	94.50	25.45
/124	Grid LL	70"-80"	93.92	28.29
/125	Grid LL	80"-90"	92.90	27.04
/126	Grid LL	90"-100"	94.00	27.33
/127	Grid LL	100"-110"	94.30	25.61
/128	Grid LL	110"-120"	93.36	25.90
/129	Grid LL	120"-130"	91.94	17.87
/130	Grid LL	130"-140"	92.72	15.93
/131	Grid LL	140"-150"	93.12	25.00
/132	Grid LL	150"-160"	93.50	21.23
/133	Grid MM	0-10"	90.92	12.56
/134	Grid MM	10"-20"	93.58	23.36
/135	Grid MM	20"-30"	95.00	21.60
/136	Grid MM	30"-40"	95.24	23.53
/137	Grid MM	40"-50"	93.14	18.08
/138	Grid MM	50"-60"	93.92	23.03
/139	Grid MM	60"-70"	92.26	16.80
/140	Grid MM	70"-80"	94.42	24.01
/141	Grid MM	80"-90"	94.40	22.50
/142	Grid MM	90"-100"	94.80	18.85
/143	Grid MM	100"-110"	95.68	25.46
/144	Grid MM	110"-120"	95.02	22.49
/145	Grid MM	120"-130"	94.78	21.46
/146	Grid MM	130"-140"	93.74	21.73
/147	Grid MM	160"-170"	94.16	19.86
/148	Grid MM	170"-180"	93.80	15.48
/149	Grid MM	180"-190"	93.44	14.33
/150	Grid MM	190"-200"	93.46	12.84

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.81	98.17	1.83	4.0
14.21	97.37	2.63	4.0
11.03	94.64	5.36	4.1
7.15	88.01	11.99	4.1
5.79	85.62	14.38	4.0
8.16	87.18	12.82	4.1
19.57	98.54	1.46	4.0
19.20	98.55	1.45	4.0
17.54	95.83	4.17	4.0
18.86	97.87	2.13	4.0
18.53	96.80	3.20	3.9
21.76	97.81	2.19	4.0
19.09	96.89	3.11	4.0
21.22	98.57	1.43	3.9
20.28	97.37	2.63	4.0
20.50	97.91	2.09	4.1
19.21	98.41	1.59	4.0
19.43	98.64	1.36	4.0
13.40	93.03	6.97	4.0
11.95	94.01	5.99	4.1
18.75	97.72	2.28	4.2
15.92	97.90	2.10	4.2
9.42	94.74	5.26	4.0
17.52	96.57	3.43	4.0
16.20	97.68	2.32	4.2
17.65	98.93	1.07	4.2
13.56	95.70	4.30	4.3
17.27	95.76	4.26	4.3
12.60	94.70	5.30	4.3
18.01	98.42	1.58	4.2
16.88	88.05	11.95	4.3
14.14	98.53	1.47	4.3
19.10	98.27	1.73	4.4
16.87	97.63	2.37	4.4
16.10	93.38	6.62	4.5
16.30	91.92	8.08	4.6
14.90	91.89	8.11	4.4
11.61	87.38	12.62	4.4
10.75	89.42	10.58	4.4
9.63	87.35	12.65	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/151	Grid MM	200"-210"	91.80	7.80
/152	Grid MM	210"-220"	92.26	10.08
/153	Grid MM	220"-230"	92.38	12.07
/154	Grid MM	230"-240"	89.30	8.04
/155	Grid NN	0-10"	95.72	29.91
/156	Grid NN	10"-20"	94.76	31.68
/157	Grid NN	20"-30"	94.20	25.52
/158	Grid NN	30"-40"	95.08	29.27
/159	Grid NN	40"-50"	93.24	27.51
/160	Grid NN	50"-60"	93.88	26.80
/161	Grid NN	60"-70"	93.98	29.57
/162	Grid NN	70"-80"	95.20	34.17
/163	Grid NN	80"-90"	94.32	29.93
/164	Grid NN	90"-100"	93.86	22.80
/165	Grid NN	100"-110"	94.12	26.19
/166	Grid NN	110"-120"	94.62	23.79
/167	Grid NN	120"-130"	92.76	20.44
/168	Grid NN	130"-140"	94.76	24.43
/169	Grid NN	140"-150"	94.10	27.46
/170	Grid NN	150"-160"	95.12	25.82
/171	Grid NN	160"-170"	91.96	16.92
/172	Grid NN	170"-180"	91.90	14.57
/173	Grid NN	180"-190"	92.08	18.43
/174	Grid NN	190"-200"	93.46	14.98
/175	Grid NN	200"-210"	91.60	10.71
/176	Grid NN	210"-220"	90.88	5.57
/177	Grid OO	0-10"	94.46	22.38
/178	Grid OO	10"-20"	94.64	27.99
/179	Grid OO	20"-30"	94.04	25.84
/180	Grid OO	30"-40"	94.00	27.33
/181	Grid OO	40"-50"	94.20	31.72
/182	Grid OO	50"-60"	93.30	20.30
/183	Grid OO	60"-70"	92.76	23.48
/184	Grid OO	70"-80"	93.86	24.41
/185	Grid OO	80"-90"	93.76	25.00
/186	Grid OO	90"-100"	93.30	15.52
/187	Grid OO	100"-110"	93.36	22.89
/188	Grid OO	110"-120"	91.72	12.08
/189	Grid PP	0-10"	95.02	21.69

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
5.85	83.61	16.39	4.4
7.56	83.75	16.25	4.4
9.05	83.54	16.46	4.4
6.03	58.35	41.65	4.4
22.43	97.76	2.24	4.2
23.76	97.87	2.13	4.0
19.14	93.30	6.70	4.1
21.95	95.92	4.08	4.1
20.63	94.36	5.64	4.1
20.10	95.63	4.37	4.2
22.18	95.31	4.69	4.3
25.63	95.71	4.29	4.4
22.45	97.78	2.22	4.4
17.10	98.30	1.70	4.4
19.64	94.75	5.25	4.2
17.84	91.51	8.49	4.2
15.33	96.99	3.01	4.2
18.32	97.42	2.58	4.3
20.60	94.26	5.74	4.3
19.37	95.48	4.52	4.2
12.69	93.25	6.75	4.2
10.93	94.90	5.10	4.2
13.82	89.02	10.98	4.2
11.24	88.03	11.97	4.2
8.03	86.20	13.80	4.2
4.18	88.80	11.20	4.2
16.79	98.46	1.54	4.0
20.99	98.60	1.40	4.0
19.38	98.62	1.38	4.0
20.50	98.61	1.39	4.0
23.79	97.05	2.95	3.8
15.23	92.50	7.50	3.9
17.61	94.44	5.56	3.9
18.31	95.97	4.03	3.9
18.75	93.71	6.29	3.7
11.64	89.36	10.64	3.9
17.17	92.49	7.51	4.0
9.06	88.12	11.88	4.1
16.27	94.88	5.12	3.9

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35959/190	Grid PP	10"-20"	94.20	24.14
/191	Grid PP	20"-30"	93.76	26.28
/192	Grid PP	30"-40"	93.32	23.95
/193	Grid PP	40"-50"	92.62	23.04
/194	Grid PP	50"-60"	94.48	27.17
/195	Grid PP	60"-70"	93.90	28.20
/196	Grid PP	70"-80"	93.78	23.79
/197	Grid PP	80"-90"	92.72	20.60
/198	Grid PP	90"-100"	94.08	23.99
/199	Grid PP	100"-110"	92.02	14.29
/200	Grid PP	110"-120"	92.66	14.99
/201	Grid PP	120"-130"	92.06	16.12
/202	Grid PP	130"-140"	89.92	8.53
/203	Grid PP	140"-150"	87.64	9.22
/204	Grid RR	0-10"	94.64	25.37
/205	Grid RR	10"-20"	93.90	21.64
/206	Grid RR	20"-30"	92.30	21.82
/207	Grid RR	30"-40"	93.12	25.29
/208	Grid RR	40"-50"	91.92	20.30
/209	Grid RR	50"-60"	91.94	16.87

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
18.11	94.10	5.90	4.1
19.71	95.45	4.55	3.8
17.96	96.59	3.41	3.8
17.28	91.88	8.12	3.9
20.38	93.38	6.62	3.9
21.15	96.18	3.82	4.0
17.84	96.31	3.69	3.8
15.45	91.25	8.75	3.8
17.99	94.27	5.73	3.9
10.72	90.04	9.96	3.9
11.24	89.20	10.80	4.0
12.09	85.62	14.38	3.8
6.40	80.62	19.38	3.8
6.92	81.56	18.44	3.8
19.03	98.05	1.95	3.7
16.23	95.26	4.74	3.7
16.37	98.10	1.90	3.5
18.97	87.53	12.47	3.6
15.23	93.91	6.09	3.8
12.65	93.60	6.40	3.8

Table 12

New Harbour - Guysborough Co., N. S.
Bog #156, Total Samples - 279
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/1	Base Line A	0-10"	92.84	21.79
/2	Base Line A	10"-20"	91.64	20.33
/3	Base Line A	20"-30"	92.54	34.13
/4	Base Line A	30"-40"	91.40	22.09
/5	Base Line A	40"-50"	91.52	21.23
/6	Base Line A	50"-60"	91.26	15.79
/7	Base Line A	60"-70"	90.22	14.72
/8	Base Line A	70"-80"	91.02	15.37
/9	Base Line A	80"-90"	90.42	15.66
/10	Base Line A	90"-100"	90.52	11.39
/11	Base Line A	100"-110"	88.76	11.21
/12	Base Line B	20"-30"	95.06	15.38
/13	Base Line B	30"-40"	89.92	9.52
/14	Base Line B	40"-50"	91.06	8.72
/15	Base Line B	50"-60"	91.14	9.93
/16	Base Line B	60"-70"	91.14	14.00
/17	Base Line B	70"-80"	92.46	14.59
/18	Base Line B	80"-90"	91.02	14.25
/19	Base Line B	90"-100"	93.20	21.18
/20	Base Line B	100"-110"	92.78	21.88
/21	Base Line B	110"-120"	94.26	20.91
/22	Base Line B	120"-130"	92.02	11.06
/23	Base Line B	130"-140"	72.10	2.58
/24	Base Line C	0-10"	94.64	19.40
/25	Base Line C	10"-20"	92.84	21.79
/26	Base Line C	20"-30"	94.00	26.00
/27	Base Line C	30"-40"	93.86	24.10
/28	Base Line C	40"-50"	93.62	23.20
/29	Base Line C	50"-60"	93.66	25.55
/30	Base Line C	60"-70"	94.28	29.37
/31	Base Line C	70"-80"	93.22	20.65
/32	Base Line C	80"-90"	91.96	15.14
/33	Base Line C	90"-100"	92.88	17.42

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.34	98.21	1.79	3.9
15.25	98.16	1.84	3.9
25.60	98.56	1.44	3.9
16.47	98.37	1.63	4.0
15.92	97.75	2.25	3.9
11.84	94.45	5.55	3.8
11.04	92.53	7.47	3.9
11.53	94.56	5.44	4.0
11.75	89.97	10.03	4.0
8.54	92.32	7.68	3.9
8.41	91.38	8.62	4.0
11.54	98.59	1.41	3.9
7.14	88.84	11.16	3.9
6.54	89.95	10.05	3.9
7.45	88.29	11.71	4.0
10.50	93.85	6.15	4.1
10.94	91.86	8.14	4.1
10.69	91.61	8.39	4.7
16.41	94.40	5.60	4.4
15.68	93.25	6.75	4.7
8.30	84.66	15.34	4.6
1.94	19.33	80.67	4.7
14.55	97.90	2.10	3.8
16.34	98.13	1.87	4.0
19.50	96.78	3.22	4.1
18.08	95.17	4.83	4.2
17.40	96.90	3.10	4.0
19.16	97.80	2.20	3.9
22.03	93.43	6.57	4.2
15.49	95.00	5.00	4.2
11.36	93.84	6.16	4.1
13.07	91.51	8.49	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/34	Base Line C	100"-110"	91.72	15.94
/35	Base Line C	110"-120"	92.50	18.13
/36	Base Line C	120"-130"	92.90	21.13
/37	Base Line C	130"-140"	90.50	13.05
/38	Base Line C	140"-150"	90.38	15.80
/39	Base Line C	150"-160"	91.26	12.36
/40	Base Line C	160"-170"	92.22	12.08
/41	Base Line C	170"-180"	92.80	10.83
/42	Base Line D	0-10"	96.20	26.32
/43	Base Line D	10"-20"	95.80	25.24
/44	Base Line D	20"-30"	94.30	21.75
/45	Base Line D	30"-40"	94.94	26.09
/46	Base Line D	40"-50"	93.38	19.64
/47	Base Line D	50"-60"	93.46	20.49
/48	Base Line D	60"-70"	92.20	15.38
/49	Base Line D	70"-80"	90.38	14.35
/50	Base Line D	80"-90"	90.30	14.23
/51	Base Line D	90"-100"	92.04	14.82
/52	Base Line D	100"-110"	89.42	13.23
/53	Base Line D	110"-120"	90.54	10.99
/54	Base Line D	120"-130"	90.30	10.31
/55	Base Line D	130"-140"	91.26	13.27
/56	Base Line D	140"-150"	91.62	16.47
/57	Base Line D	150"-160"	88.46	6.07
/58	Base Line E	0-10"	95.30	29.79
/59	Base Line E	10"-20"	94.18	25.09
/60	Base Line E	20"-30"	93.48	24.85
/61	Base Line E	30"-40"	93.64	23.27
/62	Base Line E	40"-50"	93.98	23.59
/63	Base Line E	50"-60"	93.68	26.58
/64	Base Line E	60"-70"	92.24	19.33
/65	Base Line E	70"-80"	93.72	22.93
/66	Base Line E	80"-90"	92.76	24.59
/67	Base Line E	90"-100"	93.88	25.49
/68	Base Line E	100"-110"	90.94	16.78
/69	Base Line E	110"-120"	93.04	24.43
/70	Base Line E	120"-130"	92.44	24.07
/71	Base Line E	130"-140"	94.06	30.30
/72	Base Line E	140"-150"	92.30	18.70
/73	Base Line E	150"-160"	92.56	15.32

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.96	92.80	7.20	4.0
13.60	93.26	6.74	4.0
15.85	94.08	5.92	4.1
9.79	90.00	10.00	4.1
11.85	93.84	6.16	4.1
9.27	84.80	15.20	4.0
9.06	86.01	13.99	4.1
8.12	21.06	78.94	4.1
19.74	98.23	1.77	4.1
18.93	99.06	0.94	4.0
16.31	97.12	2.88	3.8
19.57	98.41	1.59	3.8
14.73	96.73	3.27	3.9
15.37	94.72	5.28	4.0
11.54	92.18	7.82	4.0
10.76	92.94	7.06	3.8
10.67	96.06	3.94	4.0
11.12	89.53	10.47	3.9
9.92	89.14	10.86	4.2
8.24	86.97	13.03	4.0
7.73	87.48	12.52	4.2
9.95	88.22	11.78	4.2
12.35	89.75	10.25	4.4
4.55	51.31	48.69	4.6
22.34	97.70	2.30	3.8
18.82	98.46	1.54	3.9
18.64	96.98	3.02	3.9
17.45	96.34	3.66	4.0
17.69	97.49	2.51	4.0
19.94	95.04	4.96	4.0
14.50	91.54	8.46	4.0
17.20	93.42	6.58	4.0
18.44	92.93	7.07	4.1
19.12	95.43	4.57	4.1
12.59	88.17	11.83	4.1
18.32	93.47	6.53	4.1
18.05	93.25	6.75	4.1
22.73	96.95	3.05	4.2
14.03	92.64	7.36	4.2
11.49	93.04	6.96	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/74	Base Line E	160"-170"	90.88	14.47
/75	Base Line F	0-10"	94.02	21.74
/76	Base Line F	10"-20"	94.72	26.52
/77	Base Line F	20"-30"	94.60	22.59
/78	Base Line F	30"-40"	93.80	26.45
/79	Base Line F	40"-50"	92.50	22.67
/80	Base Line F	50"-60"	93.88	27.01
/81	Base Line F	60"-70"	91.26	20.59
/82	Base Line F	70"-80"	93.32	23.95
/83	Base Line F	80"-90"	92.38	21.52
/84	Base Line F	90"-100"	93.20	21.76
/85	Base Line F	100"-110"	93.30	23.88
/86	Base Line F	110"-120"	94.66	24.34
/87	Base Line F	120"-130"	92.96	13.07
/88	Base Line F	130"-140"	88.50	12.52
/89	Base Line F	140"-150"	90.60	15.11
/90	Base Line F	150"-160"	90.08	16.53
/91	Base Line F	160"-170"	88.38	11.70
/92	Grid G	0-10"	92.40	18.42
/93	Grid G	10"-20"	92.96	23.58
/94	Grid G	20"-30"	92.60	20.54
/95	Grid G	30"-40"	93.16	24.27
/96	Grid G	40"-50"	92.24	19.59
/97	Grid G	50"-60"	93.06	18.16
/98	Grid G	60"-70"	90.62	10.23
/99	Grid G	70"-80"	88.72	6.74
/100	Grid G	80"-90"	90.92	11.89
/101	Grid G	90"-100"	89.62	11.56
/102	Grid H	0-10"	86.50	11.70
/103	Grid H	10"-20"	86.64	9.58
/104	Grid H	20"-30"	88.56	11.89
/105	Grid H	30"-40"	88.36	14.26
/106	Grid H	40"-50"	89.00	13.09
/107	Grid J	0-10"	91.76	16.99
/108	Grid J	10"-20"	91.28	17.20
/109	Grid J	20"-30"	90.72	16.16
/110	Grid J	30"-40"	91.68	21.39
/111	Grid J	40"-50"	90.50	13.68

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
10.85	91.31	8.69	3.8
16.31	98.56	1.44	3.8
19.89	96.64	3.36	3.6
16.94	95.09	4.91	3.7
19.84	96.04	3.96	4.2
17.00	94.63	5.37	4.3
20.26	93.40	6.60	4.4
15.44	86.13	13.87	4.4
17.96	92.59	7.41	4.4
16.14	94.20	5.80	4.3
16.32	93.65	6.35	4.4
17.91	89.83	10.17	4.3
18.26	95.89	4.11	4.4
9.80	91.52	8.48	3.7
9.39	84.15	15.85	3.7
11.33	87.42	12.58	3.9
12.40	83.44	16.56	4.0
8.78	75.85	24.15	4.1
13.82	97.48	2.52	3.7
17.69	94.49	5.51	3.7
15.41	95.49	4.51	3.5
18.20	97.19	2.81	3.6
14.69	93.38	6.62	3.6
13.62	93.26	6.74	3.7
7.67	87.70	12.30	3.7
5.06	86.10	13.90	3.8
8.92	84.91	15.09	3.8
8.67	79.95	20.05	3.8
8.78	89.26	10.74	3.5
7.19	87.04	12.96	3.4
8.92	84.81	15.19	3.6
10.70	76.88	23.12	3.7
9.82	77.59	22.41	3.8
12.74	97.81	2.19	3.6
12.90	92.03	7.97	3.6
12.12	87.91	12.09	3.6
16.04	90.50	9.50	3.5
10.26	85.83	14.17	3.6

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/112	Grid J	50"-60"	90.68	17.81
/113	Grid J	60"-70"	91.42	18.88
/114	Grid J	70"-80"	90.02	14.63
/115	Grid J	80"-90"	89.90	12.48
/116	Grid K	0-10"	90.42	17.75
/117	Grid K	10"-20"	91.56	16.35
/118	Grid K	20"-30"	91.62	17.18
/119	Grid K	30"-40"	93.16	14.91
/120	Grid K	40"-50"	91.72	21.26
/121	Grid K	50"-60"	91.44	18.69
/122	Grid K	60"-70"	91.42	20.75
/123	Grid K	70"-80"	92.22	18.25
/124	Grid K	80"-90"	92.90	16.34
/125	Grid K	90"-100"	91.12	18.47
/126	Grid K	100"-110"	90.72	15.52
/127	Grid K	110"-120"	91.06	15.88
/128	Grid L	0-10"	92.62	22.76
/129	Grid L	10"-20"	92.12	21.57
/130	Grid L	20"-30"	92.28	23.32
/131	Grid L	30"-40"	90.06	17.91
/132	Grid L	40"-50"	90.76	18.40
/133	Grid L	50"-60"	92.56	22.31
/134	Grid L	60"-70"	92.56	23.92
/135	Grid L	70"-80"	93.16	24.27
/136	Grid L	80"-90"	92.56	25.27
/137	Grid L	90"-100"	92.90	30.42
/138	Grid L	100"-110"	91.64	22.49
/139	Grid L	110"-120"	92.94	25.21
/140	Grid L	120"-130"	93.54	27.55
/141	Grid L	130"-140"	92.60	23.78
/142	Grid L	140"-150"	92.36	21.47
/143	Grid L	150"-160"	92.78	23.27
/144	Grid L	160"-170"	91.92	18.81
/145	Grid L	170"-180"	90.16	15.04
/146	Grid L	180"-190"	76.78	4.22
/147	Grid M	0-10"	94.18	20.62
/148	Grid M	10"-20"	93.34	27.92
/149	Grid M	20"-30"	94.20	27.59
/150	Grid M	30"-40"	93.66	21.77

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
13.36	92.69	7.31	3.8
14.16	92.93	7.07	3.8
10.97	75.96	24.04	3.8
9.36	65.60	34.40	3.8
13.31	98.00	2.00	3.6
12.26	93.87	6.13	3.6
12.89	89.25	10.75	3.7
11.18	88.31	11.69	3.6
15.95	90.45	9.55	3.6
14.02	89.30	10.70	3.8
15.56	93.60	6.40	3.8
13.69	93.15	6.85	3.9
12.26	93.64	6.36	4.0
13.85	88.00	12.00	4.0
11.64	93.38	6.62	4.0
11.91	78.75	21.25	4.0
17.07	97.34	2.66	4.0
16.18	91.34	8.66	3.8
17.49	91.20	8.80	3.9
13.43	90.65	9.35	3.9
13.80	88.15	11.85	3.8
16.73	91.96	8.04	4.0
17.94	90.73	9.27	4.0
18.20	91.29	8.71	4.0
18.95	92.32	7.68	4.0
22.82	93.04	6.96	4.0
16.87	90.78	9.22	4.0
18.91	93.87	6.13	4.1
20.66	95.67	4.33	4.1
17.84	93.34	6.66	4.0
16.10	92.30	7.70	4.0
17.45	90.11	9.89	4.2
14.11	78.84	21.16	4.1
11.28	93.62	6.38	4.2
3.17	24.77	75.23	4.2
15.47	94.77	5.23	3.9
20.94	95.62	4.38	4.0
20.69	95.02	4.98	4.1
16.33	91.24	8.76	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/151	Grid M	40"-50"	92.66	21.53
/152	Grid M	50"-60"	92.50	17.60
/153	Grid M	60"-70"	92.58	23.72
/154	Grid M	70"-80"	93.86	25.73
/155	Grid M	80"-90"	93.32	26.95
/156	Grid M	90"-100"	93.90	26.89
/157	Grid M	100"-110"	93.24	27.81
/158	Grid M	110"-120"	92.74	24.52
/159	Grid M	120"-130"	91.56	16.59
/160	Grid M	130"-140"	90.96	17.48
/161	Grid M	140"-150"	90.12	18.22
/162	Grid M	150"-160"	89.70	15.92
/163	Grid N	0-10"	92.92	18.36
/164	Grid N	10"-20"	94.22	27.34
/165	Grid N	20"-30"	93.86	26.38
/166	Grid N	30"-40"	94.66	26.97
/167	Grid N	40"-50"	92.80	19.72
/168	Grid N	50"-60"	89.44	12.50
/169	Grid N	60"-70"	90.52	14.98
/170	Grid N	70"-80"	90.80	13.91
/171	Grid N	80"-90"	91.26	13.04
/172	Grid N	90"-100"	90.06	10.87
/173	Grid N	100"-110"	89.06	10.05
/174	Grid N	110"-120"	89.98	13.57
/175	Grid N	120"-130"	90.40	13.33
/176	Grid N	130"-140"	91.70	17.83
/177	Grid N	140"-150"	90.96	14.82
/178	Grid N	150"-160"	90.18	11.20
/179	Grid P	0-10"	92.90	25.63
/180	Grid P	10"-20"	93.00	19.71
/181	Grid P	20"-30"	91.40	91.30
/182	Grid P	30"-40"	92.44	19.58
/183	Grid P	40"-50	92.12	20.81
/184	Grid P	50"-60"	92.88	23.88
/185	Grid P	60"-70"	92.52	20.05
/186	Grid P	70"-80"	92.90	21.97
/187	Grid P	80"-90"	91.30	20.69
/188	Grid P	90"-100"	92.56	21.51
/189	Grid P	100"-110"	92.52	25.40
/190	Grid P	110"-120"	94.04	28.52

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.15	84.87	15.13	4.0
13.20	89.56	10.44	3.8
17.79	89.97	10.03	3.9
19.30	92.94	7.06	3.9
20.21	93.52	6.48	4.0
20.17	94.07	5.93	4.0
20.86	92.58	7.42	4.0
18.39	89.96	10.04	4.0
12.44	87.75	12.25	4.0
13.11	88.61	11.39	4.0
13.67	86.54	13.46	4.1
11.94	88.56	11.44	4.2
13.77	93.12	6.88	3.8
20.51	94.69	5.31	4.0
19.78	93.29	6.71	4.0
20.23	92.71	7.29	4.0
14.79	92.60	7.40	4.0
9.38	86.26	13.74	3.8
11.24	87.05	12.95	4.0
10.43	85.78	14.22	4.0
9.78	89.98	10.02	4.0
8.15	89.38	10.62	4.0
7.54	93.95	6.05	4.0
10.18	93.43	6.57	4.2
10.00	94.50	5.50	4.1
13.37	94.99	5.01	4.2
11.12	92.88	7.12	4.2
8.40	74.75	25.25	4.1
19.22	98.36	1.64	3.9
14.78	98.36	1.64	3.9
14.48	95.02	4.98	3.9
14.69	94.16	5.84	3.9
15.61	94.64	5.36	3.8
17.91	97.05	2.95	3.9
15.04	94.68	5.32	3.9
16.48	96.17	3.83	3.9
15.52	94.51	5.49	4.0
16.13	98.20	1.80	3.8
19.05	92.97	7.03	4.0
21.39	97.62	2.38	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/191	Grid P	120"-130"	93.44	29.27
/192	Grid P	130"-140"	92.20	20.77
/193	Grid P	140"-150"	90.92	17.62
/194	Grid P	150"-160"	89.82	14.15
/195	Grid Q	0-10"	93.14	15.74
/196	Grid Q	10"-20"	92.96	21.88
/197	Grid Q	20"-30"	92.86	25.49
/198	Grid Q	30"-40"	92.92	22.88
/199	Grid Q	40"-50"	93.04	23.56
/200	Grid Q	50"-60"	94.24	24.31
/201	Grid Q	60"-70"	91.74	17.19
/202	Grid Q	70"-80"	91.92	20.79
/203	Grid Q	80"-90"	92.52	22.73
/204	Grid Q	90"-100"	90.12	14.17
/205	Grid Q	100"-110"	92.92	20.62
/206	Grid Q	110"-120"	93.58	27.10
/207	Grid Q	120"-130"	92.86	19.05
/208	Grid Q	130"-140"	93.68	22.15
/209	Grid Q	140"-150"	92.04	17.59
/210	Grid Q	150"-160"	90.52	16.88
/211	Grid Q	160"-170"	71.06	4.70
/212	Grid R	0-10"	93.82	27.83
/213	Grid R	10"-20"	93.62	21.63
/214	Grid R	20"-30"	93.58	29.28
/215	Grid R	30"-40"	92.78	29.99
/216	Grid R	40"-50"	92.20	21.54
/217	Grid R	50"-60"	92.40	22.11
/218	Grid R	60"-70"	91.30	20.46
/219	Grid R	70"-80"	93.62	27.90
/220	Grid R	80"-90"	91.88	22.91
/221	Grid R	90"-100"	90.38	16.01
/222	Grid R	100"-110"	91.28	18.12
/223	Grid R	110"-120"	91.50	17.88
/224	Grid R	120"-130"	92.26	14.47
/225	Grid R	130"-140"	91.80	10.73
/226	Grid R	140"-150"	90.24	11.89
/227	Grid R	150"-160"	92.88	14.04
/228	Grid R	160"-170"	90.50	9.89
/229	Grid S	0-10"	94.70	21.51

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
21.95	98.53	1.47	4.0
15.58	95.08	4.92	4.1
13.22	92.02	7.98	4.0
10.61	75.75	24.25	4.2
11.81	97.05	2.95	4.0
16.41	98.20	1.80	4.0
19.12	95.34	4.66	4.0
17.16	93.64	6.36	4.0
17.67	96.53	3.47	3.9
18.23	93.92	6.08	4.0
12.89	84.33	15.67	4.0
15.59	84.33	15.67	4.0
17.05	90.39	9.61	3.9
10.63	83.59	16.41	3.9
15.47	87.75	12.25	4.0
20.33	91.04	8.96	4.0
14.29	88.51	11.49	3.9
16.61	89.09	10.91	4.0
13.19	84.86	15.14	3.9
12.66	78.74	21.26	4.1
3.53	21.92	78.08	4.2
20.87	98.50	1.50	4.0
16.22	93.10	6.90	4.0
21.96	91.39	8.61	3.9
17.24	89.27	10.73	4.0
16.16	87.64	12.36	3.9
16.58	86.83	13.17	4.0
15.35	87.92	12.08	4.0
20.93	92.17	7.83	3.8
17.18	90.97	9.03	4.0
12.01	83.01	16.99	3.9
13.59	83.57	16.43	4.1
13.41	87.01	12.99	4.0
10.85	88.73	11.27	4.1
8.05	83.74	16.26	4.1
8.92	80.51	19.49	4.0
10.53	81.65	18.35	4.0
7.42	60.35	39.65	4.2
16.13	93.56	6.44	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/230	Grid S	10"-20"	93.90	26.56
/231	Grid S	20"-30"	94.10	23.73
/232	Grid S	30"-40"	93.88	24.18
/233	Grid S	40"-50"	94.40	30.00
/234	Grid S	50"-60"	94.06	26.26
/235	Grid S	60"-70"	93.84	27.60
/236	Grid S	70"-80"	93.14	21.28
/237	Grid S	80"-90"	92.06	19.14
/238	Grid S	90"-100"	92.72	20.33
/239	Grid S	100"-110"	93.04	21.26
/240	Grid S	110"-120"	93.88	23.53
/241	Grid S	120"-130"	92.70	20.55
/242	Grid S	130"-140"	92.28	13.73
/243	Grid S	140"-150"	92.64	19.57
/244	Grid S	150"-160"	91.68	17.55
/245	Grid S	160"-170"	91.20	14.09
/246	Grid S	170"-180"	86.68	9.61
/247	Grid T	0-10"	94.28	20.63
/248	Grid T	10"-20"	94.14	23.21
/249	Grid T	20"-30"	93.82	24.60
/250	Grid T	30"-40"	95.02	27.71
/251	Grid T	40"-50"	94.76	29.77
/252	Grid T	50"-60"	92.82	19.22
/253	Grid T	60"-70"	92.90	19.44
/254	Grid T	70"-80"	91.54	16.78
/255	Grid T	80"-90"	93.36	27.41
/256	Grid T	90"-100"	93.30	18.21
/257	Grid T	100"-110"	91.40	12.79
/258	Grid T	110"-120"	88.86	7.54
/259	Grid T	120"-130"	88.70	11.15
/260	Grid T	130"-140"	88.78	11.50
/261	Grid T	140"-150"	80.60	-
/262	Grid U	0-10"	94.10	23.73
/263	Grid U	10"-20"	93.28	16.96
/264	Grid U	20"-30"	94.00	22.00
/265	Grid U	30"-40"	92.00	18.75
/266	Grid U	40"-50"	92.30	22.34
/267	Grid U	50"-60"	92.52	19.25
/268	Grid U	60"-70"	92.78	19.11
/269	Grid U	70"-80"	92.64	20.38

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
19.92	91.54	8.46	4.0
17.80	92.10	7.90	4.0
18.14	98.82	1.18	4.0
22.50	98.93	1.07	4.0
19.70	98.24	1.76	3.9
20.70	97.95	2.05	3.8
15.96	93.05	6.95	4.0
14.36	92.87	7.13	4.0
15.25	93.57	6.43	4.1
15.95	95.05	4.95	4.2
17.65	93.90	6.10	3.8
15.41	92.63	7.37	3.9
10.30	87.70	12.30	4.0
14.68	91.65	8.35	4.0
13.16	87.91	12.09	4.0
10.57	87.18	12.82	3.8
7.21	56.58	43.42	4.0
15.47	97.61	2.39	3.9
17.41	97.07	2.93	4.0
18.45	96.13	3.87	3.9
20.78	97.93	2.07	3.8
22.33	98.70	1.30	4.0
14.42	92.46	7.54	3.9
14.58	90.51	9.49	4.0
12.59	89.82	10.18	4.0
20.56	95.21	4.79	3.8
13.66	89.33	10.67	3.8
9.59	84.76	15.24	3.9
5.66	83.78	16.22	3.9
8.36	86.61	13.39	4.0
8.63	79.37	20.63	4.0
--	49.74	50.26	4.0
17.80	98.51	1.49	3.9
12.72	98.91	1.09	3.8
16.50	98.96	1.04	3.9
14.06	94.95	5.05	3.9
16.76	96.59	3.41	3.8
14.44	96.57	3.43	4.0
14.33	95.63	4.37	4.1
15.29	93.45	6.55	3.8

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
35960/270	Grid U	80"-90"	92.02	22.81
/271	Grid U	90"-100"	93.34	25.23
/272	Grid U	100"-110"	93.10	27.54
/273	Grid U	110"-120"	94.60	28.89
/274	Grid U	120"-130"	90.32	14.26
/275	Grid U	130"-140"	90.56	17.58
/276	Grid U	140"-150"	92.42	21.37
/277	Grid U	150"-160"	89.86	17.55
/278	Grid U	160"-170"	91.58	17.58
/279	Grid U	170"-180"	80.96	7.67

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
17.11	94.48	5.52	3.8
18.92	96.23	3.77	3.8
20.66	93.50	6.50	3.8
21.67	96.25	3.75	3.9
10.70	87.40	12.60	4.0
13.19	89.64	10.36	4.0
16.03	91.79	8.21	4.0
13.16	90.87	9.13	4.0
13.19	92.76	7.24	4.0
5.75	57.33	42.67	4.0

Table 13

Fisherman's Harbour Bog - Guysborough Co., N. S.
Bog #526, Total Samples - 116
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36450/1	BL: A	0-10"	93.50%	19.08%
/2	BL: A	10"-20"	94.56	23.16
/3	BL: A	20"-30"	93.54	21.88
/4	BL: A	30"-40"	93.76	22.76
/5	BL: A	40"-50"	93.48	22.99
/6	BL: A	50"-60"	91.86	18.67
/7	BL: A	60"-70"	91.98	15.96
/8	BL: A	70"-80"	92.46	16.18
/9	BL: A	80"-90"	88.74	11.45
/10	BL: A	90"-100"	89.04	6.02
/11	BL: B	0-10"	93.54	20.12
/12	BL: B	10"-20"	93.42	23.10
/13	BL: B	20"-30"	95.92	34.31
/14	BL: B	30"-40"	94.10	23.39
/15	BL: B	40"-50"	94.46	24.19
/16	BL: B	50"-60"	93.50	21.23
/17	BL: B	60"-70"	93.38	22.36
/18	BL: B	70"-80"	93.22	22.12
/19	BL: B	80"-90"	93.22	23.60
/20	BL: C	0-10"	94.04	21.14
/21	BL: C	10"-20"	94.10	22.37
/22	BL: C	20"-30"	94.14	28.33
/23	BL: C	30"-40"	95.26	26.58
/24	BL: C	40"-50"	94.34	27.92
/25	BL: C	50"-60"	93.36	22.59
/26	BL: C	60"-70"	91.90	19.01
/27	BL: C	70"-80"	94.72	26.89
/28	BL: C	80"-90"	92.80	22.78
/29	BL: C	90"-100"	92.44	14.29
/30	BL: C	100"-110"	91.66	7.91
/31	BL: C	110"-120"	90.98	8.20
/32	BL: D	0-10"	93.96	22.18

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
14.31%	98.78%	1.22%	3.7
17.37	99.71	0.29	4.0
16.41	99.59	0.41	4.0
17.07	99.62	0.38	4.0
20.24	99.68	0.32	4.1
14.00	99.69	0.31	4.0
11.97	98.68	1.32	4.0
12.14	99.42	0.58	4.2
8.59	98.50	1.50	4.2
4.52	97.06	2.94	4.2
15.09	99.65	0.35	4.1
17.33	97.38	2.62	4.1
25.73	99.50	0.50	4.1
17.54	99.43	0.57	4.1
18.14	99.59	0.41	4.2
15.92	99.37	0.63	4.2
16.77	99.79	0.21	4.2
16.59	99.38	0.62	4.1
17.70	99.40	0.60	4.0
15.86	99.21	0.79	4.3
16.78	99.44	0.56	4.2
21.25	99.42	0.58	4.2
19.94	99.81	0.19	4.3
20.94	99.66	0.34	4.1
16.94	98.06	1.94	4.2
14.26	98.48	1.52	4.3
20.17	98.49	1.51	4.2
17.09	98.54	1.46	4.3
10.72	98.51	1.49	4.1
5.93	98.05	1.95	4.1
6.02	96.70	3.30	4.3
16.64	98.70	1.30	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36450/33	BL: D	10"-20"	95.50	27.11
/34	BL: D	20"-30"	95.04	28.63
/35	BL: D	30"-40"	95.12	29.92
/36	BL: D	40"-50"	93.82	21.68
/37	BL: E	0-10"	94.54	23.08
/38	BL: E	10"-20"	94.92	23.62
/39	BL: E	20"-30"	94.48	25.72
/40	BL: E	30"-40"	95.42	29.26
/41	BL: E	40"-50"	93.56	16.46
/42	BL: E	50"-60"	91.54	6.62
/43	Grid F	0-10"	94.10	22.71
/44	Grid F	10"-20"	94.70	22.26
/45	Grid F	20"-30"	94.40	26.79
/46	Grid F	30"-40"	94.38	27.76
/47	Grid F	40"-50"	93.72	25.98
/48	Grid F	50"-60"	93.56	21.12
/49	Grid F	60"-70"	95.00	26.00
/50	Grid F	70"-80"	93.82	14.56
/51	Grid G	0-10"	94.62	21.93
/52	Grid G	10"-20"	93.60	25.94
/53	Grid G	20"-30"	94.28	18.88
/54	Grid G	30"-40"	93.74	20.45
/55	Grid G	40"-50"	94.02	22.07
/56	Grid G	50"-60"	93.24	15.68
/57	Grid G	60"-70"	93.12	14.83
/58	Grid G	70"-80"	93.08	10.12
/59	Grid H	0-10"	93.16	13.74
/60	Grid H	10"-20"	93.50	19.38
/61	Grid H	20"-30"	94.66	26.22
/62	Grid H	30"-40"	95.02	30.92
/63	Grid H	40"-50"	94.86	28.79
/64	Grid H	50"-60"	94.22	23.18
/65	Grid H	60"-70"	94.16	26.03
/66	Grid H	70"-80"	94.76	24.81
/67	Grid H	80"-90"	93.72	20.70
/68	Grid H	90"-100"	93.50	11.08
/69	Grid H	100"-110"	92.00	11.25
/70	Grid H	110"-120"	91.24	7.31

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
20.33	98.70	1.30	4.2
21.47	98.80	1.20	4.2
22.44	98.65	1.35	4.2
16.26	98.12	1.88	4.1
17.31	95.77	4.23	4.1
17.72	93.60	6.40	3.9
19.29	98.68	1.32	4.1
21.95	98.65	1.35	4.3
12.35	98.36	1.64	4.2
4.97	97.52	2.48	4.2
17.03	98.40	1.60	4.1
16.70	98.56	1.44	3.9
20.09	98.74	1.26	3.9
20.82	98.60	1.40	4.0
19.49	98.89	1.11	4.1
15.84	98.39	1.61	4.1
19.50	98.83	1.17	4.1
10.92	95.65	4.35	4.1
16.45	99.21	0.79	3.7
19.46	99.32	0.68	3.9
14.16	99.04	0.96	3.8
15.34	99.18	0.82	4.0
16.55	99.32	0.68	4.2
11.76	97.92	2.08	4.1
11.12	96.79	3.21	4.3
7.59	95.90	4.10	4.2
10.31	97.82	2.18	4.3
14.54	98.69	1.31	4.2
19.67	98.81	1.19	4.3
23.19	98.43	1.57	4.4
21.59	98.96	1.04	4.1
17.39	98.81	1.19	4.4
19.52	99.04	0.96	4.3
18.61	98.96	1.04	4.4
15.53	98.10	1.90	4.4
8.31	96.54	3.46	4.3
8.44	92.23	7.77	4.2
5.48	91.42	8.58	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36450/71	Grid H	120"-130"	89.76	5.08
/72	Grid H	130"-140"	86.94	3.22
/73	Grid J	0-10"	94.00	20.67
/74	Grid J	10"-20"	93.60	23.13
/75	Grid J	20"-30"	93.62	21.94
/76	Grid J	30"-40"	93.36	24.40
/77	Grid J	40"-50"	94.06	25.25
/78	Grid J	50"-60"	95.08	31.30
/79	Grid J	60"-70"	83.42	9.77
/80	Grid J	70"-80"	90.38	12.47
/81	Grid K	0-10"	93.72	20.38
/82	Grid K	10"-20"	94.70	23.40
/83	Grid K	20"-30"	92.90	17.75
/84	Grid K	30"-40"	92.48	17.82
/85	Grid K	40"-50"	92.78	18.56
/86	Grid K	50"-60"	93.00	16.57
/87	Grid K	60"-70"	92.90	20.28
/88	Grid K	70"-80"	94.10	22.71
/89	Grid K	80"-90"	91.62	11.69
/90	Grid K	90"-100"	88.86	7.00
/91	Grid K	100"-110"	88.94	3.98
/92	Grid L	0-10"	92.84	17.04
/93	Grid L	10"-20"	94.90	22.35
/94	Grid L	20"-30"	93.04	15.52
/95	Grid L	30"-40"	94.00	21.00
/96	Grid L	40"-50"	93.66	20.82
/97	Grid L	50"-60"	94.36	23.76
/98	Grid L	60"-70"	92.82	11.98
/99	Grid L	70"-80"	91.70	10.36
/100	Grid M	0-10"	92.14	18.07
/101	Grid M	10"-20"	93.36	19.58
/102	Grid M	20"-30"	94.04	25.17
/103	Grid M	30"-40"	94.30	22.81
/104	Grid M	40"-50"	93.66	16.72
/105	Grid M	50"-60"	91.92	16.09
/106	Grid M	60"-70"	92.22	6.43
/107	Grid M	70"-80"	88.06	2.68
/108	Grid M	80"-90"	25.56	1.39

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
3.81	88.13	11.87	3.8
2.42	83.13	16.87	3.6
15.50	98.25	1.75	4.0
17.35	98.70	1.30	3.9
16.46	98.88	1.12	4.0
18.30	99.04	0.96	4.1
18.94	99.17	0.83	4.1
23.48	99.13	0.87	4.2
7.33	99.03	0.97	4.1
9.35	98.71	1.29	4.0
15.29	99.09	0.91	4.2
17.55	98.92	1.08	4.1
13.31	98.66	1.34	4.0
13.37	98.60	1.40	4.0
13.92	98.86	1.14	4.0
12.43	98.81	1.19	4.1
15.21	98.64	1.36	4.0
17.03	98.90	1.10	4.3
8.77	98.94	1.06	4.1
5.25	98.04	1.96	4.3
2.99	96.74	3.26	4.4
12.78	98.72	1.28	4.3
16.76	99.09	0.91	3.9
11.64	98.83	1.17	4.0
15.75	99.37	0.63	4.1
15.62	99.21	0.79	3.7
17.82	99.07	0.93	4.2
8.99	99.25	0.75	4.3
7.77	98.53	1.47	4.3
13.55	99.03	0.97	4.0
14.69	99.01	0.99	4.0
18.88	99.56	0.44	4.0
17.11	99.49	0.51	4.0
12.54	99.40	0.60	4.1
12.07	99.35	0.65	4.1
4.82	99.18	0.82	4.1
2.01	97.35	2.65	4.3
1.04	94.50	5.50	4.3

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36450/109	Grid N	0-10"	92.80	20.28
/110	Grid N	10"-20"	92.40	19.21
/111	Grid N	20"-30"	92.14	16.54
/112	Grid N	30"-40"	93.08	17.05
/113	Grid N	40"-50"	92.78	19.11
/114	Grid N	50"-60"	93.14	18.08
/115	Grid N	60"-70"	93.62	18.18
/116	Grid N	70"-80"	89.54	4.59

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
15.21	99.07	0.93	4.0
14.41	98.85	1.15	3.9
12.40	99.08	0.92	3.9
12.79	99.25	0.75	4.2
14.33	99.34	0.66	4.1
13.56	99.36	0.64	4.0
13.64	99.36	0.64	4.0
3.44	99.28	0.72	4.2

Table 14

Fisherman's Harbour Bog - Guysborough Co., N. S.
Bog #528, Total Samples - 134
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36451/1	BL: A	0-10"	92.22%	17.22%
/2	BL: A	10"-20"	92.56	13.44
/3	BL: A	20"-30"	92.68	18.04
/4	BL: A	30"-40"	91.68	8.17
/5	BL: A	40"-50"	90.32	9.09
/6	BL: B	0-10"	93.58	20.56
/7	BL: B	10"-20"	92.86	15.41
/8	BL: B	20"-30"	92.36	14.14
/9	BL: B	30"-40"	93.62	19.12
/10	BL: B	40"-50"	93.86	22.80
/11	BL: B	50"-60"	93.62	17.55
/12	BL: B	60"-70"	93.74	20.77
/13	BL: B	70"-80"	93.06	18.73
/14	BL: B	80"-90"	92.40	18.16
/15	BL: B	90"-100"	93.62	19.75
/16	BL: B	100"-110"	93.62	23.20
/17	BL: B	110"-120"	90.34	13.46
/18	BL: B	120"-130"	91.48	11.97
/19	BL: B	130"-140"	91.30	13.33
/20	BL: B	140"-150"	88.90	5.59
/21	BL: B	150"-160"	91.10	14.61
/22	BL: B	160"-170"	89.42	9.45
/23	BL: C	0-10"	93.98	21.59
/24	BL: C	10"-20"	94.30	20.00
/25	BL: C	20"-30"	93.54	21.67
/26	BL: C	30"-40"	93.04	17.82
/27	BL: C	40"-50"	92.68	21.04
/28	BL: C	50"-60"	94.12	22.79
/29	BL: C	60"-70"	93.26	17.21
/30	BL: C	70"-80"	93.46	20.49
/31	BL: C	80"-90"	92.82	19.22
/32	BL: C	90"-100"	94.14	23.89
/33	BL: C	100"-110"	93.18	19.94

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
12.92%	99.04%	0.96%	4.2
10.08	99.12	0.88	4.1
13.53	99.32	0.68	4.3
6.31	98.79	1.21	4.2
6.82	98.02	1.98	4.2
15.42	98.57	1.43	4.3
11.56	98.52	1.48	4.2
10.60	98.67	1.33	4.1
14.34	98.94	1.06	4.4
17.10	98.81	1.19	4.3
13.16	98.84	1.16	4.3
15.58	99.11	0.89	4.4
14.05	98.84	1.16	4.2
13.62	99.04	0.96	4.4
14.81	98.92	1.08	4.4
17.40	98.55	1.45	4.4
10.10	98.80	1.20	4.5
8.98	98.79	1.21	4.4
10.00	98.48	1.51	4.3
4.19	98.04	1.96	4.3
10.96	98.05	1.95	4.5
7.09	97.79	2.21	4.6
16.19	98.81	1.19	4.4
15.00	98.69	1.31	4.2
16.25	98.84	1.16	4.2
13.37	98.55	1.45	4.2
15.78	99.09	0.91	4.2
17.09	99.01	0.99	4.3
12.91	95.84	4.16	4.2
15.37	97.06	2.94	4.1
14.42	96.92	3.08	4.3
17.92	98.58	1.42	4.3
14.96	95.19	4.81	4.3

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36451/34	BL: C	110"-120"	93.30	14.93
/35	BL: C	120"-130"	92.44	17.20
/36	BL: C	130"-140"	91.74	12.59
/37	BL: C	140"-150"	92.18	14.32
/38	BL: C	150"-160"	90.84	10.48
/39	BL: C	160"-170"	90.82	12.64
/40	BL: C	170"-180"	90.08	7.06
/41	Grid E	0-10"	94.76	20.23
/42	Grid E	10"-20"	92.48	21.01
/43	Grid E	20"-30"	91.54	13.48
/44	Grid E	30"-40"	93.66	26.50
/45	Grid E	40"-50"	90.32	13.02
/46	Grid E	50"-60"	93.44	21.65
/47	Grid E	60"-70"	92.62	15.72
/48	Grid E	70"-80"	93.62	24.14
/49	Grid E	80"-90"	93.50	25.54
/50	Grid E	90"-100"	93.36	21.69
/51	Grid E	100"-110"	93.70	21.59
/52	Grid E	110"-120"	92.32	9.90
/53	Grid E	120"-130"	92.38	8.92
/54	Grid E	130"-140"	88.96	8.15
/55	BL: F	0-10"	91.26	12.13
/56	BL: F	10"-20"	91.76	12.86
/57	BL: F	20"-30"	92.24	13.40
/58	BL: F	30"-40"	91.50	15.53
/59	BL: F	40"-50"	91.58	12.83
/60	BL: F	50"-60"	92.00	12.25
/61	BL: F	60"-70"	93.26	14.24
/62	BL: F	70"-80"	93.78	22.19
/63	BL: F	80"-90"	93.04	19.83
/64	BL: F	90"-100"	91.34	9.93
/65	BL: F	100"-110"	91.64	10.05
/66	BL: F	110"-120"	92.52	11.50
/67	BL: F	120"-130"	90.98	12.20
/68	BL: F	130"-140"	90.04	4.82
/69	BL: F	140"-150"	87.76	1.80
/70	BL: G	0-10"	91.08	14.80
/71	BL: G	10"-20"	92.18	17.14
/72	BL: G	20"-30"	93.54	23.22

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
11.20	93.21	6.79	4.3
12.90	92.68	7.32	4.3
9.44	91.60	8.40	4.3
10.74	92.88	7.12	4.3
7.86	89.12	10.88	4.3
9.48	95.03	4.97	4.3
5.30	87.55	12.45	4.3
15.17	96.89	3.11	4.2
15.76	95.01	4.99	4.1
10.11	93.04	6.96	4.2
19.88	97.69	2.31	4.3
9.77	90.40	9.60	4.1
16.24	90.09	9.91	4.3
11.79	94.21	5.79	4.2
18.11	97.10	2.90	4.3
19.16	94.68	5.32	4.2
16.27	94.61	5.39	4.3
16.19	96.39	3.61	4.4
7.43	89.33	10.67	4.2
6.69	98.13	1.87	4.5
6.11	97.28	2.72	4.4
9.10	98.12	1.88	4.2
9.65	98.35	1.65	4.1
10.05	98.41	1.59	4.2
11.65	98.41	1.59	4.2
9.62	98.44	1.56	4.2
9.19	98.41	1.59	4.3
10.68	98.60	1.40	4.2
16.64	98.64	1.36	4.5
14.87	98.64	1.36	4.2
7.45	98.49	1.51	4.2
7.54	98.30	1.70	4.4
8.63	97.79	2.21	4.4
9.15	97.99	2.01	4.3
3.62	97.28	2.72	4.4
1.35	54.54	45.46	4.5
11.10	98.18	1.82	4.3
12.86	98.14	1.86	3.9
17.42	98.48	1.52	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36451/73	BL: G	30"-40"	93.08	22.54
/74	BL: G	40"-50"	91.18	13.61
/75	BL: G	50"-60"	89.94	6.56
/76	BL: G	60"-70"	88.62	5.27
/77	BL: G	70"-80"	89.06	5.30
/78	Grid J	0-10"	94.48	22.83
/79	Grid J	10"-20"	93.54	21.36
/80	Grid J	20"-30"	93.56	23.29
/81	Grid J	30"-40"	93.80	25.48
/82	Grid J	40"-50"	92.48	21.81
/83	Grid J	50"-60"	91.84	12.20
/84	Grid J	60"-70"	89.16	5.54
/85	Grid J	70"-80"	91.42	6.06
/86	Grid J	80"-90"	89.82	8.25
/87	Grid J	90"-100"	88.98	4.90
/88	Grid K	0-10"	92.46	16.18
/89	Grid K	10"-20"	92.48	20.21
/90	Grid K	20"-30"	91.04	13.62
/91	Grid K	30"-40"	91.42	12.59
/92	Grid K	40"-50"	90.58	14.44
/93	Grid K	50"-60"	87.92	6.13
/94	Grid K	60"-70"	89.50	5.52
/95	Grid K	70"-80"	87.56	4.34
/96	Grid L	0-10"	93.34	22.52
/97	Grid L	10"-20"	93.72	21.97
/98	Grid L	20"-30"	93.40	19.70
/99	Grid L	30"-40"	93.82	25.24
/100	Grid L	40"-50"	90.10	10.91
/101	Grid L	50"-60"	89.22	4.82
/102	Grid L	60"-70"	88.82	4.29
/103	Grid L	70"-80"	88.68	3.89
/104	Grid M	0-10"	93.22	23.60
/105	Grid M	10"-20"	91.72	18.36
/106	Grid M	20"-30"	93.04	20.40
/107	Grid M	30"-40"	92.76	19.34
/108	Grid M	40"-50"	90.74	14.47
/109	Grid M	50"-60"	92.76	17.96
/110	Grid M	60"-70"	92.70	19.18

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
16.91	98.39	1.61	4.1
10.21	98.32	1.68	4.1
4.92	98.25	1.75	4.0
3.95	97.24	2.76	4.1
3.98	96.48	3.52	4.2
17.12	98.57	1.43	4.1
16.02	98.14	1.86	4.1
17.47	98.20	1.80	4.2
19.11	98.37	1.63	4.2
16.36	98.41	1.59	4.3
9.15	98.41	1.59	4.1
4.16	96.16	3.84	4.1
4.55	96.44	3.56	4.2
6.19	96.70	3.30	4.2
3.68	92.30	7.70	4.1
12.14	98.02	1.98	4.1
15.16	98.04	1.96	3.9
10.22	98.23	1.77	4.0
9.44	98.19	1.81	3.9
10.83	98.33	1.67	4.1
4.60	96.16	3.84	4.0
4.14	96.50	3.50	4.1
3.26	95.78	4.22	4.0
16.89	98.29	1.71	4.3
16.48	98.33	1.67	4.1
14.78	98.33	1.67	3.9
18.93	98.55	1.45	4.0
8.18	99.17	0.83	4.0
3.62	95.45	4.55	3.9
3.22	93.01	6.99	4.0
2.92	93.13	6.87	4.0
17.70	97.73	1.27	4.2
13.77	97.93	2.07	4.2
15.30	98.89	1.11	4.3
14.51	98.71	1.29	4.1
10.85	96.48	3.52	4.1
13.47	96.61	3.39	4.2
14.39	97.97	2.03	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36451/111	Grid M	70"-80"	93.24	18.34
/112	Grid M	80"-90"	93.06	22.19
/113	Grid M	90"-100"	93.38	18.43
/114	Grid M	100"-110"	92.56	20.43
/115	Grid M	110"-120"	91.84	10.05
/116	Grid M	120"-130"	90.42	11.48
/117	Grid M	130"-140"	88.78	5.35
/118	Grid M	140"-150"	90.08	6.25
/119	Grid M	150"-160"	88.14	7.76
/120	Grid M	160"-170"	89.18	8.69
/121	Grid N	0-10"	94.12	16.33
/122	Grid N	10"-20"	93.66	14.83
/123	Grid N	20"-30"	93.94	18.15
/124	Grid N	30"-40"	93.88	19.61
/125	Grid N	40"-50"	91.44	9.81
/126	Grid N	50"-60"	91.94	11.17
/127	Grid N	60"-70"	92.24	11.86
/128	Grid N	70"-80"	93.16	14.91
/129	Grid N	80"-90"	93.28	18.75
/130	Grid N	90"-100"	93.88	27.45
/131	Grid N	100"-110"	91.96	6.72
/132	Grid N	110"-120"	89.46	4.55
/133	Grid N	120"-130"	89.88	5.34
/134	Grid N	130"-140"	89.70	11.26

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
13.76	98.90	1.10	4.4
16.64	98.97	1.03	4.3
13.82	98.86	1.14	4.3
15.32	98.52	1.48	4.2
7.54	97.87	2.13	4.2
8.61	96.80	3.20	4.0
4.01	90.67	9.33	4.2
4.69	95.62	4.38	4.1
5.82	93.28	6.72	4.2
6.52	94.96	5.04	4.4
12.25	98.65	1.35	4.2
11.12	98.01	1.99	4.1
13.61	98.59	1.41	4.2
14.71	99.02	0.98	4.3
7.36	97.47	2.53	4.2
8.38	97.43	2.57	4.3
8.90	98.91	1.09	4.3
11.18	98.32	1.68	4.6
14.06	98.52	1.48	4.4
20.59	98.56	1.44	4.4
5.04	97.50	2.50	4.4
3.41	96.06	3.94	4.4
4.01	95.93	4.07	4.4
8.45	94.78	5.22	4.6

Table 15

Fisherman's Harbour Bog - Guysborough Co., N.S.
Bog #530, Total Samples - 113
Chemical and Physical Analysis

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36452/1	BL: A	0-10"	93.98	19.27
/2	BL: A	10"-20"	92.40	16.32
/3	BL: A	20"-30"	93.38	17.52
/4	BL: A	30"-40"	93.32	20.36
/5	BL: A	40"-50"	92.94	15.01
/6	BL: A	50"-60"	93.10	13.62
/7	BL: A	60"-70"	93.56	16.15
/8	BL: A	70"-80"	92.70	14.52
/9	BL: A	80"-90"	92.54	8.27
/10	BL: A	90"-100"	91.20	5.91
/11	BL: A	100"-110"	92.54	5.09
/12	BL: A	110"-120"	90.50	3.79
/13	BL: A	160"-170"	87.40	5.24
/14	BL: A	170"-180"	85.86	2.40
/15	BL: B	0-10"	94.62	23.79
/16	BL: B	10"-20"	94.42	24.73
/17	BL: B	20"-30"	94.96	23.81
/18	BL: B	30"-40"	94.32	20.77
/19	BL: B	40"-50"	93.62	19.12
/20	BL: B	50"-60"	94.84	22.87
/21	BL: B	60"-70"	94.70	23.40
/22	BL: B	70"-80"	95.34	20.60
/23	BL: B	80"-90"	94.52	20.80
/24	BL: B	90"-100"	95.08	24.80
/25	BL: B	100"-110"	94.56	26.10
/26	BL: B	110"-120"	95.46	26.87
/27	BL: B	120"-130"	93.74	19.49
/28	BL: B	130"-140"	93.44	13.11
/29	BL: B	140"-150"	93.82	14.56
/30	BL: B	150"-160"	93.34	18.62
/31	BL: B	160"-170"	94.18	19.80
/32	BL: B	170"-180"	91.32	14.29
/33	BL: B	180"-190"	92.26	18.60

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
14.45	98.44	1.56	4.0
12.24	97.80	2.20	4.2
13.14	98.35	1.65	4.3
15.27	98.43	1.57	4.2
11.26	98.27	1.73	4.2
10.22	98.03	1.97	4.2
12.11	98.56	1.44	4.3
10.89	98.08	1.92	4.3
6.20	97.85	2.15	4.4
4.43	97.04	2.96	4.4
3.82	94.90	5.10	4.4
2.84	91.71	8.29	4.5
3.39	70.41	29.59	3.9
1.80	57.72	42.28	3.4
17.84	97.91	2.09	4.2
18.55	98.61	1.39	4.3
17.86	98.65	1.35	4.4
15.58	98.69	1.31	4.4
14.34	98.63	1.37	4.4
17.15	98.85	1.15	4.4
17.55	98.69	1.31	4.4
15.45	98.78	1.22	4.3
15.60	98.70	1.30	4.2
18.60	98.64	1.36	4.5
19.58	98.53	1.47	4.3
20.15	98.52	1.48	4.5
14.62	98.36	1.64	4.5
9.83	97.66	2.34	4.5
10.92	98.24	1.76	4.4
13.97	98.10	1.90	4.5
14.85	98.27	1.73	4.4
10.72	97.55	2.45	4.4
13.95	97.15	2.85	4.6

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36452/34	BL: B	190"-200"	94.36	23.76
/35	BL: B	200"-210"	91.86	3.69
/36	BL: B	210"-220"	90.00	3.00
/37	BL: B	220"-230"	88.86	1.26
/38	BL: C	0-10"	94.46	21.30
/39	BL: C	10"-20"	93.98	20.27
/40	BL: C	20"-30"	93.38	19.64
/41	BL: C	30"-40"	93.52	21.30
/42	BL: C	40"-50"	94.20	23.45
/43	BL: C	50"-60"	94.10	23.39
/44	BL: C	60"-70"	92.84	21.23
/45	BL: C	70"-80"	93.64	17.61
/46	BL: C	80"-90"	93.30	23.58
/47	BL: C	90"-100"	94.36	23.76
/48	BL: C	100"-110"	93.56	25.16
/49	BL: C	110"-120"	93.78	15.43
/50	BL: C	120"-130"	91.88	15.27
/51	BL: C	130"-140"	91.90	9.14
/52	BL: C	140"-150"	91.56	4.27
/53	BL: C	150"-160"	88.52	3.31
/54	BL: C	160"-170"	90.46	5.45
/55	BL: C	170"-180"	88.92	7.22
/56	BL: D	0-10"	93.38	19.94
/57	BL: D	10"-20"	94.28	27.27
/58	BL: D	20"-30"	94.48	28.62
/59	BL: D	30"-40"	94.68	26.69
/60	BL: D	40"-50"	93.86	28.66
/61	BL: D	50"-60"	93.88	17.97
/62	BL: D	60"-70"	93.48	20.55
/63	BL: D	70"-80"	93.48	17.79
/64	BL: D	80"-90"	90.42	7.93
/65	BL: D	90"-100"	91.96	8.21
/66	BL: D	100"-110"	91.94	6.70
/67	BL: E	0-10"	93.82	19.74
/68	BL: E	10"-20"	91.76	16.99
/69	BL: E	20"-30"	93.06	24.50
/70	BL: E	30"-40"	92.08	18.69
/71	BL: E	40"-50"	90.92	7.49

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
17.82	97.45	2.55	4.6
2.77	92.03	7.97	4.4
2.25	68.35	31.65	3.5
0.95	66.81	33.19	3.3
15.98	98.43	1.57	4.1
15.20	97.67	2.33	4.1
14.73	97.31	1.69	4.1
15.98	98.10	1.90	4.0
17.59	98.39	1.61	4.2
17.54	97.58	2.42	4.3
15.92	95.73	4.27	4.3
13.21	95.88	4.12	4.2
17.69	96.95	3.05	4.4
17.82	96.30	3.70	4.4
18.87	95.04	4.96	4.3
11.57	94.62	5.38	4.3
11.45	94.08	5.92	4.4
6.86	93.21	6.79	4.2
3.20	92.30	7.70	4.2
2.48	89.28	10.72	4.3
4.09	88.44	11.56	4.2
5.42	84.95	15.05	4.0
14.96	98.24	11.76	4.2
20.45	98.36	11.64	4.1
21.47	98.61	11.39	4.2
20.02	98.66	1.34	4.1
21.50	98.54	1.46	4.1
13.48	96.11	3.89	4.0
15.41	98.01	1.99	4.1
13.34	98.39	1.61	4.1
5.95	96.84	3.16	4.1
6.16	97.07	2.93	4.1
5.03	95.66	4.34	4.2
14.81	98.58	1.42	4.5
12.74	97.95	2.05	4.1
18.38	98.88	1.12	4.2
14.02	98.20	1.80	4.2
5.62	92.15	7.85	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36452/72	BL: F	0-10"	94.90	23.58
/73	BL: F	10"-20"	94.84	26.74
/74	BL: F	20"-30"	93.32	22.46
/75	BL: F	30"-40"	94.72	30.30
/76	BL: F	40"-50"	94.14	27.30
/77	BL: F	50"-60"	94.52	25.55
/78	BL: F	60"-70"	94.82	29.73
/79	BL: F	70"-80"	94.88	27.34
/80	BL: F	80"-90"	92.60	21.35
/81	BL: F	90"-100"	90.74	10.58
/82	BL: F	100"-110"	92.30	6.23
/83	BL: F	110"-120"	90.48	9.87
/84	BL: F	120"-130"	89.92	2.78
/85	BL: F	130"-140"	76.02	0.58
/86	BL: G	0-10"	94.24	23.26
/87	BL: G	10"-20"	95.02	25.70
/88	BL: G	20"-30"	94.86	28.02
/89	BL: G	30"-40"	93.84	22.73
/90	BL: G	40"-50"	93.64	28.93
/91	BL: G	50"-60"	94.48	26.09
/92	BL: G	60"-70"	92.58	18.87
/93	BL: G	70"-80"	92.80	15.00
/94	BL: G	80"-90"	92.18	7.93
/95	BL: G	90"-100"	93.70	8.89
/96	BL: G	100"-110"	92.64	10.05
/97	BL: G	110"-120"	91.26	4.81
/98	BL: H	0-10"	95.78	29.38
/99	BL: H	10"-20"	94.14	27.31
/100	BL: H	20"-30"	94.46	24.55
/101	BL: H	30"-40"	93.68	19.62
/102	BL: H	40"-50"	91.66	16.07
/103	BL: H	50"-60"	92.78	14.13
/104	BL: H	60"-70"	87.96	3.49
/105	BL: H	70"-80"	93.78	7.07
/106	BL: H	80"-90"	86.50	1.48
/107	BL: J	0-10"	92.64	21.74
/108	BL: J	10"-20"	92.88	22.75
/109	BL: J	20"-30"	93.38	22.66
/110	BL: J	30"-40"	93.98	21.59

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
17.65	98.86	1.14	4.1
20.06	98.66	1.34	4.2
16.85	98.44	1.56	4.3
22.73	98.63	1.37	4.5
20.48	98.10	1.90	4.3
19.16	98.34	1.66	4.3
22.30	98.74	1.26	4.4
20.51	98.76	1.24	4.4
16.01	98.44	1.56	4.3
7.94	95.50	4.50	4.2
4.67	95.76	4.24	4.1
7.40	93.88	6.12	4.3
2.09	91.91	8.09	4.3
0.44	50.82	49.18	4.3
17.45	98.44	1.56	4.4
19.28	98.54	1.46	4.1
21.02	98.57	1.43	4.3
17.05	98.39	1.61	4.2
21.70	98.53	1.47	4.3
19.57	98.74	1.26	4.1
14.15	97.49	2.51	4.1
11.25	95.44	4.56	4.1
5.95	93.88	6.12	4.1
6.67	96.67	3.33	4.2
7.54	96.56	3.44	4.3
3.61	88.94	11.06	4.3
21.29	98.80	1.20	4.3
20.48	98.08	1.92	4.1
18.41	98.16	1.84	4.2
14.72	97.55	2.45	4.0
12.05	98.19	1.81	4.2
10.60	97.35	2.65	4.2
2.62	92.19	7.81	4.1
5.30	93.70	6.30	4.2
1.11	84.96	15.04	4.3
16.31	98.43	1.57	4.5
17.06	98.70	1.30	4.0
17.00	98.34	1.66	4.2
16.19	96.86	3.14	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
36452/111	BL: J	40"-50"	92.54	17.69
/112	BL: J	50"-60"	91.58	14.01
/113	BL: J	60"-70"	91.52	8.02

Water-holding capacity (25% moisture basis)	Loss on Ignition % (oven-dry basis)	Ash % (oven-dry basis)	pH
13.27	95.44	4.56	4.2
10.51	92.27	7.73	4.1
6.02	89.55	10.45	4.2

Part 3 - 1966 Survey

Table 16
Guysborough County, Nova Scotia
Bog # 28, Total Samples - 126
Chemical and Physical Analyses

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-Holding capacity (oven-dry basis)
37489/1	BL-A	0 - 10"	94.74	25.5
/2	BL-A	10 - 20"	93.89	22.2
/3	BL-A	20 - 30"	93.54	19.5
/4	BL-A	30 - 40"	92.93	17.5
/5	BL-A	40 - 50"	87.49	9.2
/6	BL-A	50 - 60"	86.29	8.7
/7	BL-A	60 - 70"	90.19	13.4
/8	BL-A	70 - 80"	92.79	14.1
/9	BL-B	0 - 10"	95.07	18.6
/10	BL-B	10 - 20"	92.63	16.8
/11	BL-B	20 - 30"	93.30	21.1
/12	BL-B	30 - 40"	94.00	24.4
/13	BL-B	40 - 50"	95.27	29.9
/14	BL-B	50 - 60"	94.93	25.9
/15	BL-B	60 - 70"	94.16	24.3
/16	BL-B	70 - 80"	93.33	26.1
/17	BL-B	80 - 90"	94.62	29.1
/18	BL-B	90 - 100"	95.08	27.6
/19	BL-B	100 - 110"	94.56	29.8
/20	BL-B	110 - 120"	95.68	31.0
/21	BL-B	120 - 130"	93.16	23.7
/22	BL-B	130 - 140"	93.06	22.5
/23	BL-B	140 - 150"	91.19	14.3
/24	BL-B	150 - 160"	91.49	13.6
/25	BL-B	160 - 170"	89.14	9.6
/26	BL-B	170 - 180"	88.11	5.7
/27	BL-B	180 - 190"	89.38	6.8
/28	BL-C	0 - 10"	95.06	24.1
/29	BL-C	10 - 20"	95.30	22.1
/30	BL-C	20 - 30"	94.85	23.6
/31	BL-C	30 - 40"	94.51	24.4
/32	BL-C	40 - 50"	95.50	27.6
/33	BL-C	50 - 60"	94.86	27.2
/34	BL-C	60 - 70"	93.26	19.2
/35	BL-C	70 - 80"	92.72	18.4
/36	BL-C	80 - 90"	92.03	11.6

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
19.1	97.22	2.78	4.1
16.7	98.20	1.80	4.0
14.6	98.44	1.56	3.9
13.1	98.93	1.07	3.8
6.9	98.58	1.42	3.9
6.5	97.91	2.09	4.0
10.1	98.22	1.78	3.9
10.6	97.33	2.67	4.0
13.9	98.53	1.47	4.0
12.6	98.06	1.94	4.0
15.8	98.32	1.68	4.1
18.3	98.85	1.15	4.1
22.4	98.72	1.28	4.1
19.4	98.52	1.48	4.1
18.2	98.40	1.60	4.0
19.6	98.68	1.32	4.1
21.8	98.53	1.47	4.2
20.7	98.14	1.86	4.1
22.4	98.32	1.68	4.2
23.3	98.63	1.37	4.4
17.8	97.92	2.08	4.2
16.9	97.44	2.56	4.4
10.7	97.40	2.60	4.4
10.2	97.63	2.37	4.6
7.2	95.43	4.57	4.5
4.3	90.04	9.96	4.5
5.1	94.47	5.53	4.5
18.1	95.96	4.04	4.2
16.6	98.49	1.51	4.0
17.7	98.70	1.30	4.0
18.3	98.38	1.62	4.3
20.7	98.30	1.70	4.1
20.4	98.30	1.70	4.0
14.4	98.54	1.46	4.0
13.8	98.09	1.91	3.9
8.7	92.16	1.84	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37489/37	BL-C	90 - 100"	91.96	14.4
/38	BL-C	100 - 110"	92.03	8.8
/39	BL-C	110 - 120"	91.73	19.6
/40	BL-C	120 - 130"	92.55	15.8
/41	BL-D	0 - 10"	94.43	25.3
/42	BL-D	10 - 20"	95.64	16.9
/43	BL-D	20 - 30"	95.27	25.3
/44	BL-D	30 - 40"	94.57	26.5
/45	BL-D	40 - 50"	95.56	28.8
/46	BL-D	50 - 60"	94.16	23.9
/47	BL-D	60 - 70"	94.65	23.1
/48	BL-D	70 - 80"	93.51	18.8
/49	G-E	0 - 10"	94.63	19.0
/50	G-E	10 - 20"	93.88	19.6
/51	G-E	20 - 30"	95.81	24.8
/52	G-E	30 - 40"	95.85	17.8
/53	G-E	40 - 50"	95.70	25.1
/54	G-E	50 - 60"	94.99	18.4
/55	G-E	60 - 70"	95.69	21.8
/56	G-E	70 - 80"	93.49	20.9
/57	G-E	80 - 90"	92.49	13.0
/58	G-E	90 - 100"	94.12	7.1
/59	G-F	0 - 10"	95.96	30.2
/60	G-F	10 - 20"	92.23	16.9
/61	G-F	20 - 30"	95.74	28.6
/62	G-F	30 - 40"	95.78	24.7
/63	G-F	40 - 50"	95.16	24.4
/64	G-F	50 - 60"	95.12	25.0
/65	G-F	60 - 70"	94.31	24.6
/66	G-F	70 - 80"	94.78	22.9
/67	G-F	80 - 90"	92.31	22.9
/68	G-F	90 - 100"	91.98	16.0
/69	G-G	0 - 10"	93.56	19.3
/70	G-G	10 - 20"	93.48	23.6
/71	G-G	20 - 30"	92.99	23.1
/72	G-G	30 - 40"	92.93	17.3
/73	G-G	40 - 50"	93.81	22.4
/74	G-G	50 - 60"	93.73	20.6
/75	G-G	60 - 70"	92.63	16.9

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
10.8	97.62	2.38	4.0
6.6	98.20	1.80	4.1
14.7	97.93	2.07	4.0
11.9	97.20	2.80	4.5
18.9	95.08	4.92	4.1
12.7	98.20	1.80	3.5
18.9	98.74	1.26	3.7
19.9	97.80	2.20	4.1
21.6	97.08	2.92	3.9
17.9	98.41	1.59	4.1
17.3	98.11	1.89	4.3
14.1	97.73	2.27	4.2
14.3	96.64	3.36	3.9
14.7	98.46	1.54	4.2
18.6	98.78	1.22	4.2
17.8	96.13	3.87	4.1
18.8	98.45	1.55	4.2
13.8	98.75	1.25	4.0
16.4	97.99	2.01	4.3
15.7	98.25	1.75	4.2
9.8	96.61	3.39	4.2
5.3	51.38	48.62	4.3
22.7	98.59	1.41	4.0
12.7	98.75	1.25	4.2
21.5	98.31	1.69	4.1
18.5	98.77	1.23	4.3
18.3	98.72	1.28	4.2
18.8	97.86	2.14	4.1
18.5	98.83	1.17	4.3
17.2	98.59	1.41	4.3
17.2	98.45	1.55	4.3
12.0	97.69	2.31	4.5
14.5	98.04	1.96	4.2
17.7	98.60	1.40	4.2
17.3	98.27	1.73	4.0
12.9	98.64	1.36	4.0
16.1	98.61	1.39	4.2
15.6	98.58	1.42	4.2
12.7	98.77	1.23	4.2

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37489/76	G-G	70 - 80"	93.84	22.8
/77	G-G	80 - 90"	94.65	28.7
/78	G-G	90 - 100"	94.53	21.9
/79	G-G	100 - 110"	91.58	16.6
/80	G-G	110 - 120"	91.80	16.7
/81	G-G	120 - 130"	92.38	14.9
/82	G-G	130 - 140"	91.28	18.6
/83	G-G	140 - 150"	90.33	9.5
/84	G-G	150 - 160"	90.98	13.1
/85	G-G	160 - 170"	89.87	14.4
/86	G-G	170 - 180"	83.97	2.4
/87	G-G	180 - 190"	87.59	1.1
/88	G-H	0 - 10"	92.36	17.0
/89	G-H	10 - 20"	93.80	21.6
/90	G-H	20 - 30"	95.63	25.2
/91	G-H	30 - 40"	94.67	26.3
/92	G-H	40 - 50"	94.04	26.8
/93	G-H	50 - 60"	94.62	23.8
/94	G-H	60 - 70"	92.80	11.7
/95	G-H	70 - 80"	91.32	8.5
/96	G-J	0 - 10"	94.80	22.9
/97	G-J	10 - 20"	93.47	15.3
/98	G-J	20 - 30"	92.64	15.5
/99	G-J	30 - 40"	93.50	19.7
/100	G-J	40 - 50"	92.42	14.2
/101	G-J	50 - 60"	94.69	17.7
/102	G-J	60 - 70"	93.95	22.4
/103	G-J	70 - 80"	94.88	20.7
/104	G-J	80 - 90"	94.06	16.8
/105	G-J	90 - 100"	94.49	20.3
/106	G-J	100 - 110"	94.17	21.9
/107	G-J	110 - 120"	91.67	13.9
/108	G-J	120 - 130"	91.52	19.6
/109	G-J	130 - 140"	91.77	20.2
/110	G-J	140 - 150"	90.76	11.5
/111	G-J	150 - 160"	89.15	11.4
/112	G-K	0 - 10"	94.05	22.8
/113	G-K	10 - 20"	94.39	26.7
/114	G-K	20 - 30"	93.80	22.6
/115	G-K	30 - 40"	93.45	19.6

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
17.1	98.78	1.22	4.2
21.5	98.33	1.67	4.3
16.4	98.87	1.13	4.5
12.5	98.24	1.76	4.5
12.5	97.64	2.36	4.4
11.2	98.17	1.83	4.3
13.9	97.80	2.20	4.5
7.1	95.98	4.02	4.5
9.8	94.42	5.58	4.6
10.8	87.24	12.76	4.6
1.8	40.27	59.73	5.1
0.83	58.98	41.02	4.3
12.8	97.45	2.55	4.0
16.2	98.36	1.64	4.0
18.9	98.60	1.40	4.1
19.7	98.46	1.54	4.0
20.1	93.32	1.68	4.0
17.9	97.94	2.06	4.3
8.8	96.30	3.70	4.1
6.4	97.56	2.44	4.2
17.2	96.19	3.81	4.0
11.5	98.38	1.62	4.1
11.6	98.97	1.03	4.1
14.8	98.85	1.15	4.3
10.7	98.31	1.69	4.1
13.3	98.65	1.35	4.2
16.8	98.61	1.39	4.2
15.5	99.06	0.94	4.2
12.6	99.12	0.88	4.2
15.2	99.04	0.96	4.2
16.4	99.04	0.96	4.1
10.4	98.30	1.70	4.1
14.7	98.96	1.04	4.1
15.2	97.90	2.10	4.3
8.6	95.69	4.31	4.2
8.6	93.12	6.88	4.5
17.1	98.77	1.23	3.9
20.0	99.25	0.75	4.1
16.9	99.04	0.96	4.1
14.7	98.97	1.03	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37489/116	G-K	40 - 50"	94.02	27.8
/117	G-K	50 - 60"	94.50	25.8
/118	G-K	60 - 70"	92.87	23.0
/119	G-K	70 - 80"	93.55	14.2
/120	G-K	80 - 90"	92.66	16.9
/121	G-K	90 - 100"	93.42	18.8
/122	G-K	100 - 110"	93.66	23.7
/123	G-K	110 - 120"	92.39	18.1
/124	G-K	120 - 130"	90.63	19.4
/125	G-K	130 - 140"	91.98	14.3
/126	G-L	0 - 10"	90.67	13.8

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
20.9	99.08	0.92	4.1
19.4	98.85	1.15	4.2
17.3	98.76	1.24	4.2
10.7	98.67	1.33	4.2
12.7	98.51	1.49	4.3
14.1	98.30	1.70	4.3
17.8	98.30	1.70	4.4
13.6	98.17	1.83	4.4
14.6	97.78	2.22	4.9
10.7	96.47	3.53	4.9
10.4	90.46	9.54	4.4

Table 17
Guysborough County - Nova Scotia
Bog #270, Total Samples - 119
Chemical and Physical Analyses

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37778/1	BL-A	0 - 10"	92.97	26.7
/2	BL-A	10 - 20"	94.37	24.9
/3	BL-A	20 - 30"	94.87	26.1
/4	BL-A	30 - 40"	95.76	30.2
/5	BL-A	40 - 50"	93.05	22.4
/6	BL-A	50 - 60"	94.73	26.9
/7	BL-A	60 - 70"	94.47	29.3
/8	BL-A	70 - 80"	93.90	24.9
/9	BL-A	80 - 90"	92.04	20.1
/10	BL-A	90 - 100"	90.92	15.2
/11	BL-A	100 - 110"	90.79	17.4
/12	BL-A	110 - 120"	84.38	9.3
Missing	BL-A	120 - 130"		
/13	BL-C	0 - 10"	93.77	21.2
/14	BL-C	10 - 20"	94.88	21.1
/15	BL-C	20 - 30"	90.02	24.1
/16	BL-C	30 - 40"	94.22	26.6
/17	BL-C	40 - 50"	94.65	29.1
/18	BL-C	50 - 60"	94.68	25.9
/19	BL-C	60 - 70"	93.96	25.8
/20	BL-C	70 - 80"	86.42	9.1
/21	BL-C	80 - 90"	94.15	23.8
/22	BL-C	90 - 100"	95.10	24.9
/23	BL-C	100 - 110"	92.65	19.0
/24	BL-C	110 - 120"	93.97	22.2
/25	BL-C	120 - 130"	94.10	22.4
/26	BL-C	130 - 140"	93.00	13.7
/27	BL-D	0 - 10"	95.19	17.4
/28	BL-D	10 - 20"	94.69	22.6
/29	BL-D	20 - 30"	95.16	23.9
/30	BL-D	30 - 40"	95.34	26.2
/31	BL-D	40 - 50"	93.25	18.9
/32	BL-D	50 - 60"	94.94	24.7
/33	BL-D	60 - 70"	94.26	21.6
/34	BL-D	70 - 80"	95.18	24.7
/35	BL-D	80 - 90"	93.53	14.8

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
20.0	98.60	1.40	4.0
18.7	98.96	1.04	4.0
19.6	99.22	0.78	4.0
22.7	99.24	0.76	4.2
16.8	99.13	0.87	4.1
20.2	99.16	0.84	4.2
22.0	99.14	0.86	4.2
18.7	98.64	1.36	4.3
15.1	98.86	1.14	4.3
11.4	97.60	2.40	4.3
13.1	98.04	1.96	4.4
7.0	60.60	39.40	4.4
15.9	98.80	1.20	3.9
15.8	98.96	1.04	3.9
18.1	99.08	0.92	3.9
20.0	98.92	1.08	4.0
21.8	99.18	0.82	4.2
19.4	99.20	0.80	4.2
19.3	99.30	0.70	4.2
6.8	99.24	0.76	4.3
17.9	98.81	1.19	4.2
18.7	99.12	0.88	4.2
14.3	98.86	1.14	4.2
16.7	98.80	1.20	4.3
16.8	98.70	1.30	4.3
10.3	99.07	0.93	4.3
13.1	98.41	1.59	3.9
17.0	98.72	1.28	3.9
17.9	99.17	0.83	3.9
19.7	99.23	0.77	3.9
14.2	99.04	0.96	4.0
18.5	99.13	0.87	4.1
16.2	99.34	0.66	4.0
18.5	99.32	0.68	4.1
11.1	99.30	0.70	4.1

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37778/36	BL-D	90 - 100"	94.64	11.6
/37	BL-E	0 - 10"	93.00	18.9
/38	BL-E	10 - 20"	92.68	18.6
/39	BL-E	20 - 30"	92.55	17.4
/40	BL-E	30 - 40"	93.91	23.4
/41	BL-E	40 - 50"	93.20	22.9
/42	BL-E	50 - 60"	93.29	23.2
/43	BL-E	60 - 70"	92.20	19.7
/44	BL-E	70 - 80"	91.80	15.6
/45	BL-E	80 - 90"	91.25	11.7
/46	BL-E	90 - 100"	92.94	20.6
/47	BL-E	100 - 110"	92.96	19.0
/48	BL-E	110 - 120"	92.31	10.2
/49	G-F	0 - 10"	94.26	23.0
/50	G-F	10 - 20"	94.62	24.5
/51	G-F	20 - 30"	94.56	23.2
/52	G-F	30 - 40"	94.85	23.6
/53	G-F	40 - 50"	94.23	26.0
/54	G-F	50 - 60"	94.11	26.1
/55	G-F	60 - 70"	93.21	20.6
/56	G-F	70 - 80"	93.03	23.0
/57	G-F	80 - 90"	90.36	13.9
/58	G-F	90 - 100"	90.45	15.3
/59	G-F	100 - 110"	90.43	11.5
/60	G-F	110 - 120"	90.13	8.3
/61	G-G	0 - 10"	93.68	24.4
/62	G-G	10 - 20"	93.03	27.8
/63	G-G	20 - 30"	95.13	29.1
/64	G-G	30 - 40"	94.57	33.9
/65	G-G	40 - 50"	94.08	30.7
/66	G-G	50 - 60"	93.06	24.8
/67	G-G	60 - 70"	92.55	23.3
/68	G-G	70 - 80"	92.67	21.5
/69	G-H	0 - 10"	94.89	22.7
/70	G-H	10 - 20"	92.14	24.7
/71	G-H	20 - 30"	91.00	10.9
/72	G-H	30 - 40"	89.57	11.5
/73	G-N	0 - 10"	94.72	18.9

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
8.7	98.88	1.20	4.0
14.2	98.90	1.10	3.8
14.0	98.95	1.05	3.9
13.1	99.26	0.74	3.9
17.6	99.00	1.00	4.0
17.2	99.44	0.56	4.1
17.4	99.24	0.76	4.1
14.8	99.14	0.86	4.0
11.7	98.96	1.04	4.1
8.8	98.93	1.07	4.1
15.5	99.18	0.82	4.3
14.3	99.12	0.88	4.2
7.7	97.32	2.68	4.2
17.3	98.66	1.34	4.1
18.4	99.16	0.84	4.2
17.4	98.80	1.20	4.1
17.7	98.89	1.11	4.0
19.5	99.11	0.89	4.0
19.6	99.08	0.92	4.2
15.5	98.48	1.52	4.0
17.3	98.43	1.57	4.2
10.4	96.82	3.18	4.0
11.5	98.32	1.68	4.3
8.6	97.76	2.24	4.3
6.2	96.64	3.36	4.3
18.3	98.48	1.52	3.9
20.9	98.78	1.22	3.9
21.8	98.74	1.26	4.0
25.4	99.08	0.92	4.0
23.0	98.78	1.22	4.0
18.6	98.42	1.58	4.0
17.5	98.35	1.65	4.1
16.1	97.98	2.02	4.1
17.0	98.50	1.56	4.0
18.5	98.56	1.44	4.0
8.2	97.04	2.96	3.8
8.6	94.40	5.60	4.0
14.2	98.86	1.14	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37778/74	G-N	10 - 20"	94.22	25.6
/75	G-N	20 - 30"	93.55	23.6
/76	G-N	30 - 40"	94.20	22.4
/77	G-N	40 - 50"	93.78	25.4
/78	G-N	50 - 60"	93.83	24.7
/79	G-N	60 - 70"	91.88	18.7
/80	G-N	70 - 80"	88.41	10.9
/81	G-N	80 - 90"	78.84	1.5
/82	G-AA	0 - 10"	96.10	27.7
/83	G-AA	10 - 20"	94.38	22.4
/84	G-AA	20 - 30"	95.55	27.0
/85	G-AA	30 - 40"	95.60	28.6
/86	G-AA	40 - 50"	95.10	28.2
/87	G-AA	50 - 60"	95.45	26.8
/88	G-AA	60 - 70"	95.31	33.2
/89	G-AA	70 - 80"	95.09	24.9
/90	G-AA	80 - 90"	91.92	17.8
/91	G-AA	90 - 100"	91.83	14.5
/92	G-AA	100 - 110"	93.40	17.2
/93	G-CC	0 - 10"	95.27	24.9
/94	G-CC	10 - 20"	94.68	23.7
/95	G-CC	20 - 30"	94.37	19.1
/96	G-CC	30 - 40"	94.81	24.8
/97	G-CC	40 - 50"	93.62	22.9
/98	G-CC	50 - 60"	92.56	18.8
/99	G-CC	60 - 70"	92.97	18.5
/100	G-CC	70 - 80"	91.62	15.0
/101	G-DD	0 - 10"	95.39	24.7
/102	G-DD	10 - 20"	93.81	24.2
/103	G-DD	20 - 30"	94.83	26.4
/104	G-DD	30 - 40"	94.44	25.2
/105	G-DD	40 - 50"	94.36	23.8
/106	G-DD	50 - 60"	94.29	24.1
/107	G-DD	60 - 70"	93.32	21.6
/108	G-DD	70 - 80"	91.29	17.1
/109	G-DD	80 - 90"	87.99	9.3
/110	G-DD	90 - 100"	85.22	6.4
/111	G-EE	0 - 10"	93.91	17.6
/112	G-EE	10 - 20"	93.86	20.2

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
19.2	99.10	0.90	4.0
17.7	98.43	1.57	4.0
16.8	98.38	1.62	4.1
19.1	98.77	1.23	4.1
18.5	96.02	3.98	4.1
14.0	91.55	8.45	4.1
8.2	74.07	25.93	4.1
1.1	39.78	60.22	4.3
20.8	97.88	2.12	3.9
16.8	98.99	1.01	4.0
20.3	98.90	1.10	4.1
21.5	98.85	1.15	4.1
21.2	98.91	1.09	4.1
20.1	98.64	1.36	4.2
24.9	98.67	1.33	4.2
18.7	98.32	1.68	4.2
13.4	98.76	1.24	4.3
10.9	98.28	1.72	4.3
12.9	98.71	1.29	4.4
18.7	98.88	1.22	3.8
17.8	98.94	1.06	3.9
14.3	98.92	1.08	4.0
18.6	98.87	1.13	4.1
17.2	98.56	1.44	4.3
14.1	98.22	1.78	4.3
13.9	98.58	1.42	4.3
11.3	95.11	4.89	4.4
18.5	98.86	1.14	4.0
18.2	99.10	0.90	4.0
19.8	99.28	0.72	4.1
18.9	98.94	1.06	4.2
17.9	99.24	0.76	4.1
18.1	97.74	2.26	4.1
16.2	97.83	2.17	4.2
12.8	95.84	4.16	4.2
7.0	63.80	36.20	4.1
4.8	59.53	40.47	4.3
13.2	98.46	1.54	3.9
15.2	98.04	1.96	3.8

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37778/113	G-EE	20 - 30"	93.67	21.5
/114	G-EE	30 - 40"	94.15	23.3
/115	G-EE	40 - 50"	94.01	25.8
/116	G-EE	50 - 60"	93.80	24.5
/117	G-EE	60 - 70"	93.11	18.6
/118	G-EE	70 - 80"	93.02	19.5
/119	G-EE	80 - 90"	91.20	13.4

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
16.1	99.02	0.98	3.9
17.5	99.01	0.99	3.9
19.4	99.03	0.97	3.9
18.4	98.46	1.54	3.9
14.0	98.70	1.30	3.9
14.6	98.69	1.31	4.0
10.1	86.00	14.00	4.1

Table 18
Guysborough County - Nova Scotia
Bog #496 - Total Samples - 124
Chemical and Physical Analyses

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./275	BL:A	0 - 10"	95.24	26.90
/276	BL:A	10 - 20"	95.20	28.75
/277	BL:A	20 - 30"	95.40	26.05
/278	BL:A	30 - 40"	95.62	26.95
/279	BL:A	40 - 50"	95.32	28.20
/280	BL:A	50 - 60"	95.62	24.65
/281	BL:A	60 - 70"	95.68	29.65
/282	BL:A	70 - 80"	93.90	16.70
/283	BL:A	80 - 90"	92.84	19.00
/284	BL:A	90 - 100"	94.94	28.05
/285	BL:A	100 - 110"	94.78	29.10
/286	BL:A	110 - 120"	95.48	27.00
/287	BL:A	120 - 130"	94.54	27.00
/288	BL:A	130 - 140"	94.10	20.00
/289	BL:A	140 - 150"	93.48	11.65
/290	BL:A	150 - 160"	87.68	5.52
/291	BL:A	160 - 170"	90.34	7.17
/292	BL:A	170 - 180"	90.10	11.72
/293	BL:B	0 - 10"	94.90	30.20
/294	BL:B	10 - 20"	94.84	27.55
/295	BL:B	20 - 30"	94.56	25.00
/296	BL:B	30 - 40"	95.46	31.70
/297	BL:B	40 - 50"	95.12	31.55
/298	BL:B	50 - 60"	95.40	32.15
/299	BL:B	60 - 70"	94.96	33.30
/300	BL:B	70 - 80"	95.12	26.20
/301	BL:B	80 - 90"	92.14	17.30
/302	BL:B	90 - 100"	94.44	27.30
/303	BL:B	100 - 110"	94.34	30.00
/304	BL:B	110 - 120"	95.24	30.25
/305	BL:B	120 - 130"	94.36	27.65
/306	BL:B	130 - 140"	92.34	13.58
/307	BL:B	140 - 150"	93.16	10.82
/308	BL:B	150 - 160"	87.74	4.74
/309	BL:C	0 - 10"	95.18	25.30
/310	BL:C	10 - 20"	95.14	24.70

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
20.15	98.97	1.03	3.7
21.55	99.42	0.58	3.8
19.55	98.65	1.35	4.0
20.20	98.70	1.30	4.0
21.15	99.22	0.78	4.1
18.49	98.85	1.15	4.1
22.15	98.95	1.05	4.0
12.52	98.18	1.82	4.1
14.24	98.43	1.57	4.1
21.05	98.57	1.43	4.1
21.80	98.58	1.42	4.2
20.25	98.60	1.40	4.2
20.25	98.61	1.39	4.3
15.00	98.22	1.78	4.2
8.74	96.16	3.84	4.3
4.13	95.67	4.33	4.3
5.75	96.95	3.05	4.4
8.80	84.38	15.62	4.5
22.60	98.56	1.44	3.6
20.65	98.63	1.37	3.9
18.75	98.63	1.37	3.8
23.75	98.65	1.35	4.0
23.70	98.74	1.22	4.1
24.10	98.81	1.19	4.0
25.00	98.85	1.15	4.0
19.65	98.71	1.29	4.1
12.97	98.39	1.61	4.2
20.50	98.52	1.48	4.1
22.50	98.49	1.51	4.2
22.70	99.22	0.78	4.2
20.75	99.08	0.92	4.2
10.19	98.85	1.15	4.3
8.12	98.10	1.90	4.4
3.57	95.12	4.88	4.6
19.00	98.55	1.45	3.7
18.52	98.58	1.42	3.7

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./311	BL:C	20 - 30"	95.68	35.20
/312	BL:C	30 - 40"	94.84	27.15
/313	BL:C	40 - 50"	94.52	27.00
/314	BL:C	50 - 60"	95.54	30.50
/315	BL:C	60 - 70"	95.62	33.80
/316	BL:C	70 - 80"	96.32	33.15
/317	BL:C	80 - 90"	94.98	29.90
/318	BL:C	90 - 100"	93.20	15.59
/319	BL:C	100 - 110"	91.70	9.40
/320	BL:C	110 - 120"	91.94	14.63
/321	BL:C	120 - 130"	92.94	10.76
/322	BL:C	130 - 140"	90.86	9.41
/323	BL:D	0 - 10"	95.28	30.10
/324	BL:D	10 - 20"	94.94	27.65
/325	BL:D	20 - 30"	94.72	27.65
/326	BL:D	30 - 40"	94.88	29.30
/327	BL:D	40 - 50"	94.60	25.55
/328	BL:D	50 - 60"	95.12	24.60
/329	BL:D	60 - 70"	94.74	27.75
/330	BL:D	70 - 80"	95.92	28.40
/331	BL:D	80 - 90"	94.88	28.10
/332	BL:D	90 - 100"	93.46	20.20
/333	BL:D	100 - 110"	93.38	19.02
/334	BL:D	110 - 120"	93.44	14.93
/335	BL:D	120 - 130"	90.80	12.82
/336	BL:D	130 - 140"	90.58	9.97
/337	BL:E	0 - 10"	95.40	29.55
/338	BL:E	10 - 20"	95.08	28.45
/339	BL:E	20 - 30"	95.72	31.30
/340	BL:E	30 - 40"	94.66	24.60
/341	BL:E	40 - 50"	95.78	37.00
/342	BL:E	50 - 60"	96.38	33.15
/343	BL:E	60 - 70"	96.04	31.30
/344	BL:E	70 - 80: "	96.62	36.70
/345	BL:E	80 - 90"	96.34	31.70
/346	BL:E	90 - 100"	92.24	12.37
/347	BL:E	100 - 110"	93.24	16.87
/348	BL:E	110 - 120"	95.44	22.80
/349	BL:E	120 - 130"	93.86	12.70
/350	BL:E	130 - 140"	92.76	9.95

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
26.40	98.66	1.34	3.9
20.35	98.68	1.32	4.0
20.25	98.85	1.15	4.1
22.85	98.78	1.22	4.0
25.30	98.90	1.10	4.0
24.85	98.79	1.21	4.0
22.25	98.77	1.23	4.1
11.70	98.46	1.54	4.1
7.05	98.16	1.84	4.2
11.00	97.97	2.03	4.3
8.07	98.01	1.99	4.3
7.05	97.46	2.54	4.4
22.60	98.39	1.61	3.8
20.70	99.49	0.51	3.9
20.70	99.58	0.42	4.0
21.95	99.39	0.61	4.0
19.15	98.77	1.23	4.0
18.42	98.80	1.20	4.0
20.85	99.20	0.80	4.1
21.30	98.77	1.23	4.1
21.10	99.08	0.92	4.2
15.12	98.73	1.27	4.1
14.28	98.57	1.43	4.2
11.20	98.19	1.81	4.2
9.63	97.29	2.71	4.4
7.48	97.23	2.77	4.6
22.15	98.89	1.11	3.9
21.35	98.67	1.33	3.9
23.45	96.75	3.25	4.0
17.69	98.72	1.28	4.1
27.70	98.89	1.11	4.0
24.85	98.84	1.16	4.0
23.50	98.88	1.12	4.0
27.50	98.80	1.20	4.1
23.75	98.69	1.31	4.1
9.28	98.98	1.02	4.3
12.63	98.18	1.82	4.2
17.10	98.19	1.81	4.2
9.53	97.84	2.16	4.3
7.46	97.03	2.97	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./351	BL:F	0 - 10"	94.46	26.70
/352	BL:F	10 - 20"	94.40	22.85
/353	BL:F	20 - 30"	95.14	26.35
/354	BL:F	30 - 40"	94.90	27.40
/355	BL:F	40 - 50"	95.08	30.45
/356	BL:F	50 - 60"	95.20	31.25
/357	BL:F	60 - 70"	94.48	26.45
/358	BL:F	70 - 80"	95.86	29.00
/359	BL:F	80 - 90"	93.06	16.12
/360	BL:F	90 - 100"	94.36	18.89
/361	BL:F	100 - 110"	94.18	21.30
/362	BL:F	110 - 120"	94.32	23.60
/363	BL:F	120 - 130"	92.30	13.50
/364	BL:F	130 - 140"	92.44	12.70
/365	BL:F	140 - 150"	90.72	6.47
/366	BL:F	150 - 160"	89.40	7.74
/367	BL:F	160 - 170"	89.22	6.50
/368	BL:F	170 - 180"	91.20	14.55
/369	BL:H	0 - 10"	95.02	22.50
/370	BL:H	10 - 20"	93.94	26.10
/371	BL:H	20 - 30"	94.02	21.75
/372	BL:H	30 - 40"	95.38	24.25
/373	BL:H	40 - 50"	95.28	32.60
/374	BL:H	50 - 60"	95.74	30.50
/375	BL:H	60 - 70"	95.70	32.10
/376	BL:H	70 - 80"	94.98	27.90
/377	BL:H	80 - 90"	91.86	16.71
/378	BL:H	90 - 100"	92.76	13.81
/379	BL:H	100 - 110"	92.44	15.88
/380	BL:H	110 - 120"	92.18	14.59
/381	BL:H	120 - 130"	92.00	12.00
/382	BL:H	130 - 140"	91.88	10.58
/383	BL:H	140 - 150"	89.18	8.13
/384	BL:H	150 - 160"	90.44	6.28
/385	BL:J	0 - 10"	95.08	28.85
/386	BL:J	10 - 20"	95.20	31.25
/387	BL:J	20 - 30"	94.44	29.85
/388	BL:J	30 - 40"	94.68	27.45
/389	BL:J	40 - 50"	94.76	28.60
/390	BL:J	50 - 60"	95.30	31.90
/391	BL:J	60 - 70"	95.12	30.75

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
20.05	98.70	1.30	3.8
17.14	98.85	1.15	3.6
19.76	98.85	1.15	4.0
20.55	98.85	1.15	4.0
22.85	98.95	1.05	4.0
23.45	98.91	1.09	4.0
19.85	98.97	1.03	4.1
21.75	98.73	1.27	4.1
12.11	98.57	1.43	4.3
14.09	98.50	1.50	4.4
15.99	98.42	1.58	4.2
17.70	98.42	1.58	4.2
10.12	97.94	2.06	4.3
9.53	98.46	1.54	4.4
4.85	95.90	4.10	4.4
5.80	94.60	5.40	4.5
4.88	95.26	4.74	4.5
10.90	95.79	4.21	4.6
16.85	98.63	1.37	3.6
19.58	97.78	2.22	3.8
16.30	98.32	1.68	3.8
18.20	98.64	1.36	3.9
24.45	98.78	1.22	4.0
22.85	98.81	1.19	4.0
24.05	98.84	1.16	4.0
20.95	98.74	1.26	4.1
12.52	98.53	1.47	4.4
10.37	98.33	1.67	4.4
11.90	98.36	1.64	4.3
10.93	97.97	2.03	4.4
9.00	97.83	2.17	4.5
7.94	96.84	3.16	4.5
6.10	95.06	4.94	4.5
4.71	92.60	7.40	4.6
21.65	98.37	1.63	3.7
23.45	98.62	1.38	3.8
22.40	98.73	1.27	3.8
20.55	98.63	1.37	4.0
21.45	98.81	1.19	4.0
23.95	98.79	1.21	4.0
23.05	98.90	1.10	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./392	BL:J	70 - 80"	95.20	34.15
/393	BL:J	80 - 90"	91.02	16.49
/394	BL:J	90 - 100"	91.72	14.73
/395	BL:J	100 - 110"	91.26	13.82
/396	BL:J	110 - 120"	89.62	8.69
/397	BL:J	120 - 130"	90.24	10.24
/398	BL:J	130 - 140"	86.88	6.24

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
25.60	98.92	1.08	4.1
12.36	98.61	1.39	4.3
11.06	98.44	1.56	4.2
10.38	98.16	1.84	4.2
6.51	97.36	2.64	4.4
7.68	96.48	3.52	4.4
4.68	82.93	17.07	4.5

Table 19
Pictou County - Nova Scotia
Mt. William Bog - Total Samples - 338
Chemical and Physical Analyses

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37900/1	BLi2+00	0 - 10"	90.82	22.9
/2	BLi2+00	10 - 20"	93.55	23.9
/3	BLi2+00	20 - 30"	94.96	22.6
/4	BLi2+00	30 - 40"	91.87	13.3
/5	BLi2+00	40 - 50"	91.88	15.3
/6	BLi2+00	50 - 60"	89.88	11.3
/7	BLi2+00	60 - 70"	89.40	11.9
/8	BLi2+00	70 - 80"	93.03	16.7
/9	BLi4+00	0 - 10"	86.56	13.2
/10	BLi4+00	10 - 20"	89.72	16.1
/11	BLi4+00	20 - 30"	91.50	17.9
/12	BLi4+00	30 - 40"	92.00	19.7
/13	BLi4+00	40 - 50"	90.20	13.3
/14	BLi4+00	50 - 60"	89.80	9.0
/15	BLi4+00	60 - 70"	90.61	15.8
/16	BLi4+00	70 - 80"	92.28	20.5
/17	BLi4+00	80 - 90"	91.64	18.7
/18	BLi4+00	90 - 100"	90.78	11.7
/19	BLi4+00	100 - 110"	88.64	10.7
/20	BLi4+00	110 - 120"	88.76	7.7
/21	BLi4+00	120 - 130"	83.01	2.7
/22	BLi4+00	130 - 140"	79.07	2.9
/23	BLi6+00	0 - 10"	90.20	24.1
/24	BLi6+00	10 - 20"	90.63	18.8
/25	BLi6+00	20 - 30"	90.99	18.4
/26	BLi6+00	30 - 40"	92.06	23.2
/27	BLi6+00	40 - 50"	92.53	21.0
/28	BLi6+00	50 - 60"	90.98	15.9
/29	BLi6+00	60 - 70"	91.49	19.0
/30	BLi6+00	70 - 80"	91.62	16.0
/31	BLi6+00	80 - 90"	91.30	17.9
/32	BLi6+00	90 - 100"	92.65	15.2
/33	BLi6+00	100 - 110"	92.25	7.0
/34	BLi6+00	110 - 120"	90.68	10.1
/35	BLi6+00	120 - 130"	88.68	8.6
/36	BLi6+00	130 - 140"	86.89	6.9

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
17.2	97.89	2.11	3.7
17.9	97.75	2.25	3.7
17.0	97.54	2.46	3.8
10.0	97.22	2.78	3.7
11.5	97.68	2.32	3.7
8.5	97.03	2.97	3.9
8.9	96.20	3.80	3.9
12.5	93.57	6.43	4.0
9.9	97.79	2.21	3.5
12.1	97.47	2.53	3.6
13.4	98.03	1.97	3.6
14.8	98.38	1.62	3.7
10.0	98.41	1.59	3.8
6.8	98.31	1.69	3.8
11.8	98.28	1.72	3.8
15.4	98.39	1.61	3.9
14.0	98.25	1.75	3.9
8.8	95.04	4.96	4.1
8.0	94.13	5.87	4.2
5.8	91.28	8.72	4.6
2.0	80.05	19.95	4.8
2.2	64.23	35.77	4.9
18.1	97.16	2.84	3.3
14.1	97.94	2.06	3.4
13.8	97.11	2.89	3.4
17.4	98.93	1.07	3.7
15.8	96.71	3.29	3.6
11.9	97.26	2.74	3.6
14.2	96.00	4.00	3.6
12.0	97.45	2.55	3.6
13.4	98.64	1.36	3.7
11.4	97.99	2.01	3.9
5.2	96.34	3.66	3.8
7.6	94.26	5.74	4.1
6.4	94.53	5.47	4.1
5.2	86.57	13.43	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37900/37	BLi6+00	140 - 150"	87.98	12.0
/38	BLi6+00	150 - 160"	80.63	7.8
/39	BLi8+00	0 - 10"	88.94	26.4
/40	BLi8+00	10 - 20"	88.49	15.5
/41	BLi8+00	20 - 30"	91.15	19.2
/42	BLi8+00	30 - 40"	92.29	20.8
/43	BLi8+00	40 - 50"	88.72	10.8
/44	BLi8+00	50 - 60"	87.51	12.8
/45	BLi8+00	60 - 70"	90.97	16.2
/46	BLi8+00	70 - 80"	91.23	18.2
/47	BLi8+00	80 - 90"	91.36	18.5
/48	BLi8+00	90 - 100"	90.26	11.7
/49	BLi8+00	100 - 110"	92.05	16.3
/50	BLi8+00	110 - 120"	91.99	14.0
/51	BLi8+00	120 - 130"	90.84	12.4
/52	BLi8+00	130 - 140"	88.94	9.2
/53	BLi8+00	140 - 150"	89.70	14.0
/54	BLi8+00	150 - 160"	89.33	12.0
/55	BLi8+00	160 - 170"	89.13	11.4
/56	BLi8+00	170 - 180"	80.19	2.2
/57	BLi10+00	0 - 10"	87.59	14.5
/58	BLi10+00	10 - 20"	90.97	19.5
/59	BLi10+00	20 - 30"	90.96	16.4
/60	BLi10+00	30 - 40"	89.55	12.8
/61	BLi10+00	40 - 50"	89.84	16.1
/62	BLi10+00	50 - 60"	91.23	18.0
/63	BLi10+00	60 - 70"	92.79	25.5
/64	BLi10+00	70 - 80"	92.20	10.5
/65	BLi10+00	80 - 90"	88.92	11.6
/66	BLi10+00	90 - 100"	90.80	20.2
/67	BLi10+00	100 - 110"	88.64	9.0
/68	BLi10+00	110 - 120"	88.23	10.4
/69	BLi10+00	120 - 130"	87.19	8.8
/70	BLi10+00	130 - 140"	16.89	0.3
/72	BLi12+00	0 - 10"	83.90	17.8
/73	BLi12+00	10 - 20"	89.63	16.4
/74	BLi12+00	20 - 30"	92.30	24.2
/75	BLi12+00	30 - 40"	88.21	10.4
/76	BLi12+00	40 - 50"	92.03	17.3
/77	BLi12+00	50 - 60"	92.19	14.8

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
9.0	87.91	12.29	4.6
5.8	57.93	42.07	4.7
19.8	98.37	1.63	3.2
11.6	96.33	3.67	3.2
14.4	98.73	1.27	3.7
15.6	98.83	1.17	3.8
8.1	97.83	2.17	3.8
9.6	97.71	2.29	4.0
12.2	99.66	0.34	3.9
13.6	99.10	0.90	4.0
13.9	99.14	0.86	4.1
8.8	98.78	1.22	4.2
12.2	98.61	1.39	4.3
10.5	98.81	1.19	4.4
9.3	98.10	1.90	4.4
6.9	96.13	3.87	4.6
10.5	96.30	3.70	4.8
9.0	94.91	5.09	5.0
8.6	90.78	9.22	5.2
1.6	42.04	57.96	5.3
10.9	98.53	1.47	3.5
14.6	99.58	0.42	3.8
12.3	99.47	0.53	3.6
9.6	98.88	1.12	3.6
12.1	99.21	0.79	3.6
13.5	99.29	0.71	3.6
19.1	98.81	1.19	3.7
7.9	97.35	2.65	3.7
8.7	97.70	2.30	3.8
15.2	98.61	1.39	3.9
6.8	96.51	3.49	4.0
7.8	93.63	6.37	4.2
6.6	84.13	15.87	4.8
0.2	4.85	95.15	4.3
13.4	97.54	2.46	3.5
12.3	98.92	1.18	3.6
18.2	98.96	1.04	3.6
7.8	97.60	2.40	3.6
13.0	98.52	1.48	3.6
11.1	98.75	1.25	3.8

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
37900/78	BLi12+00	60 - 70"	91.92	16.3
/79	BLi12+00	70 - 80"	92.61	15.7
/80	BLi12+00	80 - 90"	91.39	12.8
/81	BLi12+00	90 - 100"	90.63	14.7
/82	BLi12+00	100 - 110"	92.12	21.1
/83	BLi12+00	110 - 120"	90.88	13.6
/84	BLi12+00	120 - 130"	91.91	14.8
/85	BLi12+00	130 - 140"	91.26	15.8
/71	BLi12+00	140 - 150"	91.23	18.9
/86	BLi12+00	150 - 160"	90.95	10.2
/87	BLi12+00	160 - 170"	89.18	7.2
/88	BLi12+00	170 - 180"	57.15	0.3
/26	BL:14+00	0 - 10"	87.66	17.34
/27	BL:14+00	10 - 20"	89.28	13.62
/28	BL:14+00	20 - 30"	91.00	17.11
/29	BL:14+00	30 - 40"	89.56	14.17
/30	BL:14+00	40 - 50"	89.24	10.95
/31	BL:14+00	50 - 60"	92.04	18.59
/32	BL:14+00	60 - 70"	92.36	18.83
/33	BL:14+00	70 - 80"	90.00	13.60
/34	BL:14+00	80 - 90"	90.80	15.85
/35	BL:14+00	90 - 100"	90.56	12.50
/36	BL:14+00	100 - 110"	92.38	14.42
/37	BL:14+00	110 - 120"	90.02	12.02
/38	BL:14+00	120 - 130"	90.52	15.40
/39	BL:14+00	130 - 140"	90.10	14.94
/40	BL:14+00	140 - 150"	88.62	8.80
/41	BL:14+00	150 - 160"	88.10	6.05
/42	BL:14+00	160 - 170"	87.78	7.53
/43	BL:20+00	0 - 10"	95.90	22.92
/44	BL:20+00	10 - 20"	96.54	29.45
/45	BL:20+00	20 - 30"	96.48	31.22
/46	BL:20+00	30 - 40"	94.32	22.55
/47	BL:20+00	40 - 50"	92.68	14.75
/48	BL:20+00	50 - 60"	88.86	8.79
/49	BL:20+00	60 - 70"	89.80	11.38
/50	BL:20+00	70 - 80"	93.46	17.12
/51	BL:20+00	80 - 90"	93.02	16.05
/52	BL:20+00	90 - 100"	91.38	12.99
/53	BL:20+00	100 - 110"	92.00	17.50
/54	BL:20+00	110 - 120"	91.74	14.04

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
12.2	97.81	2.19	3.8
11.8	94.55	5.45	3.8
9.6	97.92	2.08	4.0
11.0	97.74	2.26	4.0
15.8	98.56	1.44	4.2
10.2	97.59	2.41	4.2
11.1	97.62	2.38	4.3
11.8	95.01	4.99	4.5
14.2	93.73	6.27	4.7
7.6	73.52	26.48	4.8
5.4	64.01	35.99	4.8
0.2	12.39	87.61	4.5
13.01	98.30	1.70	3.6
10.22	98.75	1.25	3.9
12.83	99.29	.71	4.2
10.62	96.91	3.09	4.1
8.22	98.62	1.38	4.5
13.93	98.39	1.61	4.0
14.12	98.98	1.02	4.2
10.20	98.66	1.34	4.1
11.90	98.66	1.34	4.4
9.39	98.12	1.88	4.3
10.82	98.36	1.64	4.6
9.04	97.68	2.32	4.5
11.55	97.95	2.05	4.6
11.21	95.62	4.38	4.7
6.60	70.52	29.48	4.5
4.54	56.72	43.28	4.6
5.64	62.97	37.03	4.4
17.20	88.96	11.04	3.8
22.51	95.92	4.08	3.9
23.40	99.07	0.93	3.6
16.90	98.88	1.12	3.9
11.03	98.75	1.25	4.3
6.59	98.49	1.51	4.5
8.53	98.54	1.46	4.4
12.84	98.83	1.17	4.3
12.04	98.60	1.40	4.2
9.74	98.14	1.86	4.3
13.11	98.48	1.52	4.2
10.53	98.78	1.22	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./55	BL:20+00	120 - 130"	91.62	14.57
/56	BL:20+00	130 - 140"	92.76	14.91
/57	BL:20+00	140 - 150"	88.30	2.91
/58	BL:20+00	150 - 160"	88.62	4.58
/59	BL:24+00	0 - 10"	94.86	24.90
/60	BL:24+00	10 - 20"	94.44	34.04
/61	BL:24+00	20 - 30"	96.30	37.30
/62	BL:24+00	30 - 40"	96.44	35.95
/63	BL:24+00	40 - 50"	95.90	26.30
/64	BL:24+00	50 - 60"	91.34	6.24
/65	BL:24+00	60 - 70"	90.70	6.66
/66	BL:24+00	70 - 80"	92.30	5.20
/67	BL:24+00	80 - 90"	93.24	12.72
/68	BL:24+00	90 - 100"	92.72	11.81
/69	BL:24+00	100 - 110"	89.18	4.07
/70	BL:24+00	110 - 120"	90.14	7.71
/71	BL:28+00	0 - 10"	95.04	29.00
/72	BL:28+00	10 - 20"	96.18	31.90
/73	BL:28+00	20 - 30"	96.08	36.70
/74	BL:28+00	30 - 40"	96.20	34.70
/75	BL:28+00	40 - 50"	94.62	11.89
/76	BL:28+00	50 - 60"	87.86	5.11
/77	BL:28+00	60 - 70"	89.78	9.40
/78	BL:28+00	70 - 80"	90.16	9.15
/79	BL:28+00	80 - 90"	91.14	10.85
/80	BL:28+00	90 - 100"	91.36	12.03
/81	BL:28+00	100 - 110"	89.78	15.05
/82	BL:28+00	110 - 120"	87.94	4.98
37900/89	G4+200N	0 - 10"	89.61	22.00
P.M./83	G4+200N	10 - 20"	93.12	25.30
/84	G4+200N	20 - 30"	94.40	29.65
/85	G4+200N	30 - 40"	91.86	14.75
/86	G4+200N	40 - 50"	90.40	12.29
/87	G4+200N	50 - 60"	87.20	6.72
/88	G4+200S	0 - 10"	90.54	24.15
/89	G4+200S	10 - 20"	94.90	22.75
/90	G4+200S	20 - 30"	93.66	11.68
/91	G4+200S	30 - 40"	92.38	15.21
/92	G4+200S	40 - 50"	90.44	13.61

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
10.92	96.94	3.06	4.4
11.18	94.98	5.02	4.4
2.18	52.85	47.15	4.8
3.43	48.68	51.32	4.7
18.67	97.79	2.21	3.7
25.55	98.90	1.10	3.8
27.95	99.15	0.85	3.8
27.00	99.14	0.86	4.0
19.75	98.26	1.74	4.0
4.68	97.11	2.89	4.2
5.00	96.45	3.55	4.1
3.90	96.56	3.44	4.3
9.54	96.56	3.44	4.4
8.86	94.27	5.73	4.4
3.05	53.61	46.39	4.5
5.78	96.99	3.01	4.4
21.75	97.98	2.02	3.8
23.95	98.86	1.14	4.0
27.50	98.93	1.07	3.9
26.00	99.67	0.33	4.0
8.92	97.87	2.13	4.0
3.83	97.64	2.36	4.0
7.05	96.52	3.48	4.1
6.86	96.50	3.50	4.1
8.14	95.93	4.07	4.2
9.04	95.96	4.04	4.1
11.30	84.05	15.95	4.3
3.73	51.89	48.11	4.4
16.50	98.45	1.55	3.7
18.97	98.69	1.31	3.9
22.25	98.74	1.26	4.0
11.08	97.82	2.18	4.3
9.23	97.39	2.61	4.4
5.04	96.59	3.41	4.4
18.10	98.08	1.92	4.3
17.06	98.57	1.43	4.2
8.75	98.49	1.51	4.2
11.41	98.50	1.50	4.3
10.21	98.13	1.87	4.4

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./93	G4+200S	50 - 60"	90.48	9.88
/94	G4+200S	60 - 70"	91.12	14.88
/95	G4+200S	70 - 80: "	92.32	16.39
/96	G4+200S	80 - 90	91.04	11.81
/97	G4+400S	0 - 10"	92.56	23.10
/98	G4+400S	10 - 20"	96.28	36.00
/99	G4+400S	20 - 30"	98.04	57.15
/100	G4+400S	30 - 40"	98.04	64.30
/101	G4+400S	40 - 50"	87.22	5.95
/102	G4+400S	50 - 60"	86.84	8.22
/103	G4+400S	60 - 70"	90.54	15.85
/104	G4+400S	70 - 80"	93.42	16.10
/105	G8+200S	0 - 10"	91.96	18.40
/106	G8+200S	10 - 20"	89.96	12.54
/107	G8+200S	20 - 30"	93.00	19.71
/108	G8+200S	30 - 40"	93.86	21.50
/109	G8+200S	40 - 50"	89.34	9.77
/110	G8+200S	50 - 60"	93.00	18.00
/111	G8+200S	60 - 70"	92.20	17.94
/112	G8+200S	70 - 80"	91.14	13.10
/113	G8+200S	80 - 90"	92.32	14.06
/114	G8+200S	90 - 100"	90.80	11.52
/115	G8+200S	100 - 110"	90.16	11.78
/116	G8+200S	110 - 120"	88.08	5.54
/117	G8+400S	0 - 10"	95.08	30.45
/118	G8+400S	10 - 20"	96.82	39.00
/119	G8+400S	20 - 30"	95.04	27.80
/120	G8+400S	30 - 40"	94.78	30.30
/121	G8+400S	40 - 50"	90.08	7.25
/122	G8+400S	50 - 60"	92.32	17.97
/123	G8+400S	60 - 70"	88.96	13.22
/124	G8+400S	70 - 80"	93.92	15.78
/125	G8+400S	80 - 90"	89.28	8.03
/126	G8+400S	90 - 100"	45.60	CLAY
/127	G8+400S	100 - 110"	23.04	CLAY
/128	G10+200N	0 - 10"	86.94	21.18
/129	G10+200N	10 - 20"	87.82	14.12
/130	G10+200N	20 - 30"	90.42	16.50
/131	G10+200N	30 - 40"	90.02	14.43

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
7.40	98.03	1.97	4.4
11.16	97.47	2.53	4.5
12.29	96.03	3.97	4.4
8.86	86.28	13.72	4.3
17.33	95.80	4.20	3.9
27.00	98.76	1.24	3.8
42.85	96.84	3.16	4.0
48.20	97.50	2.50	4.0
4.46	96.04	3.96	4.4
6.15	95.33	4.67	4.3
11.89	97.35	2.65	4.2
12.07	92.04	7.96	4.4
13.80	98.33	1.67	3.8
9.42	98.76	1.24	3.8
14.79	98.91	1.09	3.9
16.12	98.81	1.19	4.0
7.32	97.74	2.26	4.2
13.50	98.51	1.49	4.0
13.45	98.43	1.57	4.0
9.85	97.93	2.07	3.9
10.54	97.94	2.06	4.1
8.65	94.76	5.24	4.1
8.84	94.75	5.25	4.3
4.15	97.35	2.65	4.4
22.85	95.55	4.45	4.0
29.20	98.69	1.31	3.8
20.85	98.53	1.47	3.8
22.70	98.31	1.69	4.0
5.44	97.52	2.48	4.1
13.48	94.92	5.08	4.3
9.92	98.10	1.90	4.1
11.83	91.62	8.38	4.4
6.02	85.06	14.94	4.6
CLAY	15.11	84.89	4.8
CLAY	6.29	93.71	4.8
15.86	96.21	3.79	3.6
10.59	98.24	1.76	3.8
12.38	98.60	1.40	3.8
10.82	98.94	1.06	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./132	G10+200N	40 - 50"	89.98	12.77
/133	G10+200N	50 - 60"	92.18	16.89
/134	G10+200N	60 - 70"	91.96	15.91
/135	G10+200N	70 - 80"	93.74	15.79
/136	G10+200N	80 - 90"	93.84	9.09
/137	G10+200N	90 - 100"	90.72	14.00
/138	G10+200N	100 - 110"	90.66	8.14
/139	G10+200N	110 - 120"	89.74	11.31
/140	G10+200N	120 - 130"	80.80	4.48
/141	G10+200N	130 - 140"	43.34	CLAY
/142	G10+200S	0 - 10"	90.48	23.35
/143	G10+200S	10 - 20"	89.90	20.40
/144	G10+200S	20 - 30"	88.68	10.77
/145	G10+200S	30 - 40"	91.66	14.62
/146	G10+200S	40 - 50"	91.02	16.93
/147	G10+200S	50 - 60"	88.84	9.86
/148	G10+200S	60 - 70"	90.82	13.30
/149	G10+200S	70 - 80"	90.00	4.00
/150	G10+200S	80 - 90"	87.62	7.60
/151	G10+200S	90 - 100"	87.52	9.46
/152	G10+200S	100 - 110"	88.54	9.95
/153	G10+200S	110 - 120"	87.82	6.90
/154	G10+400S	0 - 10"	90.76	27.50
/155	G10+400S	10 - 20"	94.66	32.95
/156	G10+400S	20 - 30"	93.22	23.34
/157	G10+400S	30 - 40"	89.72	14.20
/158	G10+400S	40 - 50"	89.40	6.23
/159	G10+400S	50 - 60"	92.30	20.25
/160	G10+400S	60 - 70"	90.76	12.78
/161	G10+400S	70 - 80"	90.86	17.05
/162	G10+400S	80 - 90"	91.06	8.95
/163	G10+400S	90 - 100"	29.98	CLAY
/164	G10+400S	100 - 110"	17.52	CLAY
/165	G12+200N	0 - 10"	88.86	14.90
/166	G12+200N	10 - 20"	89.84	11.80
/167	G12+200N	20 - 30"	91.10	15.90
/168	G12+200N	30 - 40"	88.86	8.44
/169	G12+200N	40 - 50"	89.54	11.47
/170	G12+200N	50 - 60"	91.74	16.95
/171	G12+200N	60 - 70"	91.98	16.44

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
9.57	98.13	1.87	4.1
12.65	98.75	1.25	4.0
11.95	98.78	1.22	4.2
11.84	97.41	2.59	4.2
6.81	97.18	2.82	4.2
10.50	88.04	11.96	4.1
6.10	92.75	7.25	4.4
8.48	82.41	17.59	4.3
3.36	42.63	57.37	4.7
CLAY	6.67	93.33	5.2
17.45	98.00	2.00	3.5
15.30	98.91	1.09	3.8
8.08	98.76	1.24	3.7
10.97	98.73	1.27	3.9
12.70	98.90	1.10	4.0
7.40	98.47	1.53	4.0
9.97	98.54	1.46	4.1
10.50	95.52	4.48	4.1
5.70	92.58	7.42	4.1
7.09	92.80	7.20	4.2
7.46	84.82	15.18	4.2
5.17	85.85	14.15	4.3
20.62	97.80	2.20	3.6
24.75	93.10	6.90	3.6
17.50	97.42	2.58	3.8
10.64	97.56	2.44	4.0
4.67	96.59	3.41	4.1
15.20	97.99	2.01	4.2
9.57	90.08	9.92	4.1
12.81	95.28	4.72	4.2
6.71	91.26	8.74	4.6
CLAY	6.98	93.02	5.0
CLAY	5.61	94.39	4.9
11.18	96.98	3.02	3.6
8.86	98.03	1.97	3.7
11.92	98.56	1.44	3.8
6.32	98.50	1.50	4.0
8.61	98.85	1.15	3.9
12.70	98.88	1.12	4.0
12.33	98.81	1.19	4.0

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./172	G12+200N	70 - 80"	91.12	6.77
/173	G12+200N	80 - 90"	90.98	6.20
/174	G12+200N	90 - 100"	92.32	11.98
/175	G12+200N	100 - 110"	89.72	12.85
/176	G12+200N	110 - 120"	89.52	12.60
/177	G12+200N	120 - 130"	89.70	14.56
/178	G12+200N	130 - 140"	90.72	14.88
/179	G12+200N	140 - 150"	87.20	2.97
/180	G12+200N	150 - 160"	47.10	CLAY
/181	G20+200S	0 - 10"	94.84	25.95
/182	G20+200S	10 - 20"	96.68	42.20
/183	G20+200S	20 - 30"	97.10	43.45
/184	G20+200S	30 - 40"	97.34	42.85
/185	G20+200S	40 - 50"	94.14	17.39
/186	G20+200S	50 - 60"	91.94	11.67
/187	G20+200S	60 - 70"	91.24	13.92
/188	G20+200S	70 - 80"	93.90	18.35
/189	G20+200S	80 - 90"	90.96	9.07
/190	G20+200S	90 - 100"	92.62	13.81
/191	G20+200S	100 - 110"	89.84	16.93
/192	G20+200S	110 - 120"	91.36	15.50
/193	G20+200S	120 - 130"	88.10	5.38
/194	G20+200S	130 - 140"	88.18	3.04
/195	BL16+00	0 - 10"	90.28	18.91
/196	BL16+00	10 - 20"	90.98	16.46
/197	BL16+00	20 - 30"	90.30	17.52
/198	BL16+00	30 - 40"	93.50	24.00
/199	BL16+00	40 - 50"	92.12	17.00
/200	BL16+00	50 - 60"	89.02	9.48
/201	BL16+00	60 - 70"	90.66	15.41
/202	BL16+00	70 - 80"	93.34	23.70
/203	BL16+00	80 - 90"	90.28	11.92
/204	BL16+00	90 - 100"	93.90	23.95
/205	BL16+00	100 - 110"	91.84	18.14
/206	BL16+00	110 - 120"	93.06	21.60
/207	BL16+00	120 - 130"	90.38	13.48
/208	BL16+00	130 - 140"	90.38	14.89
/209	BL16+00	140 - 150"	91.44	14.50
/210	BL16+00	150 - 160"	91.26	8.01
/211	BL16+00	160 - 170"	88.56	6.12
/212	BL16+00	170 - 180"	55.02	1.20

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
5.08	98.42	1.58	4.0
4.65	98.29	1.71	4.0
8.99	98.84	1.16	4.1
9.65	98.51	1.49	4.0
9.45	97.26	2.74	4.2
10.91	92.14	7.86	4.3
11.17	81.87	18.13	4.5
2.22	59.54	40.46	4.5
CLAY	9.34	90.66	4.6
19.48	96.91	3.09	3.8
31.65	98.81	1.19	3.9
32.60	98.22	1.78	4.0
32.10	98.78	1.22	4.0
13.04	98.01	1.99	4.1
8.75	97.98	2.02	4.0
10.45	98.54	1.46	4.0
13.79	98.45	1.55	4.2
6.80	97.01	2.99	4.1
10.37	97.69	2.31	4.2
12.69	95.58	4.42	4.4
11.62	93.96	6.04	4.3
4.04	54.43	45.57	4.5
2.28	47.68	52.32	4.7
14.19	97.75	2.25	3.8
12.33	98.70	1.30	3.7
13.12	98.75	1.25	3.7
18.00	99.05	0.95	3.9
12.75	96.77	3.23	4.0
7.11	98.65	1.35	4.0
11.57	98.99	1.01	4.0
17.78	98.83	1.17	4.1
8.94	98.39	1.61	4.1
17.97	98.02	1.98	4.0
13.60	98.35	1.65	4.2
16.20	98.11	1.89	4.2
10.11	97.99	2.01	4.3
11.14	95.56	4.44	4.4
10.88	93.28	6.72	4.4
6.00	69.01	30.99	4.6
4.59	55.72	44.28	4.7
.90	10.61	89.39	4.9

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./213	G12+200S	0 - 10"	85.40	11.91
/214	G12+200S	10 - 20"	89.30	15.70
/215	G12+200S	20 - 30"	87.20	10.00
/216	G12+200S	30 - 40"	90.26	13.55
/217	G12+200S	40 - 50"	90.30	13.81
/218	G12+200S	50 - 60"	90.66	9.65
/219	G12+200S	60 - 70"	89.46	9.67
/220	G12+200S	70 - 80"	93.28	19.64
/221	G12+200S	80 - 90"	90.76	15.35
/222	G12+200S	90 - 100"	89.22	9.10
/223	G12+200S	100 - 110"	88.94	13.01
/224	G12+200S	110 - 120"	89.94	17.49
/225	G12+200S	120 - 130"	89.04	11.88
/226	G12+200S	130 - 140"	81.78	4.28
/227	G12+400S	0 - 10"	88.84	21.70
/228	G12+400S	10 - 20"	91.22	18.45
/229	G12+400S	20 - 30"	87.58	6.92
/230	G12+400S	30 - 40"	90.20	8.98
/231	G12+400S	40 - 50"	91.42	16.56
/232	G12+400S	50 - 60"	89.46	8.35
/233	G16+200N	0 - 10"	89.06	18.81
/234	G16+200N	10 - 20"	90.68	17.17
/235	G16+200N	20 - 30"	89.82	14.56
/236	G16+200N	30 - 40"	92.80	20.85
/237	G16+200N	40 - 50"	93.04	26.40
/238	G16+200N	50 - 60"	89.86	11.63
/239	G16+200N	60 - 70"	89.74	10.73
/240	G16+200N	70 - 80"	93.04	20.65
/241	G16+200N	80 - 90"	92.92	14.68
/242	G16+200N	90 - 100"	91.78	11.68
/243	G16+200N	100 - 110"	91.82	16.62
/244	G16+200N	110 - 120"	91.86	10.09
/245	G16+200N	120 - 130"	93.08	15.60
/246	G16+200N	130 - 140"	91.82	16.90
/247	G16+200N	140 - 150"	89.28	10.25
/248	G16+200N	150 - 160"	86.58	2.98
/249	G16+200N	160 - 170"	85.70	2.24
/250	G16+200N	170 - 180"	87.52	6.41
/251	G16+200N	180 - 190"	77.22	2.02
/252	G16+200S	0 - 10"	86.24	9.16

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
8.95	96.71	3.29	3.5
11.77	98.93	1.07	3.7
7.50	98.53	1.47	3.7
10.18	98.84	1.16	4.0
10.37	98.87	1.13	4.0
7.24	98.36	1.64	3.9
7.25	98.14	1.86	4.0
14.71	98.61	1.39	4.0
11.50	98.25	1.75	4.0
8.83	96.91	3.09	4.0
9.76	95.18	4.82	4.0
13.10	92.05	7.95	4.3
8.90	76.37	23.63	4.5
3.21	39.27	60.73	4.6
16.25	95.74	4.26	4.0
13.85	98.05	1.95	4.1
5.19	98.10	1.90	4.1
6.74	98.09	1.91	4.3
12.41	98.19	1.81	4.3
6.26	68.53	31.47	4.3
14.10	96.51	3.49	4.0
12.88	98.78	1.22	4.0
10.91	98.84	1.16	4.1
15.62	98.99	1.01	4.1
19.81	99.08	0.92	4.1
8.74	98.61	1.39	4.0
8.05	98.26	1.74	4.1
15.51	98.86	1.14	4.2
11.00	98.97	1.03	4.3
8.75	98.45	1.55	4.3
12.49	98.59	1.41	4.2
7.56	98.13	1.87	4.2
11.70	97.41	2.59	4.4
12.68	96.53	3.47	4.4
7.69	80.42	19.58	4.4
2.23	49.73	50.27	4.5
1.68	48.80	51.20	4.5
4.81	54.93	45.07	4.5
1.52	34.46	65.54	4.8
6.87	96.56	3.44	3.8

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./253	G16+200S	10 - 20"	90.06	15.06
/254	G16+200S	20 - 30"	92.52	25.95
/255	G16+200S	30 - 40"	90.90	14.71
/256	G16+200S	40 - 50"	89.96	14.75
/257	G16+200S	50 - 60"	91.70	17.59
/258	G16+200S	60 - 70"	93.68	18.69
/259	G16+200S	70 - 80"	90.38	12.05
/260	G16+200S	80 - 90"	91.16	12.66
/261	G16+200S	90 - 100"	91.94	9.68
/262	G16+200S	100 - 110"	89.32	8.80
/263	G16+200S	110 - 120"	90.96	15.48
/264	G16+200S	120 - 130"	87.96	12.30
/265	G16+200S	130 - 140"	80.98	3.16
/266	G16+200S	140 - 150"	81.30	2.46
/267	G16+200S	150 - 160"	84.38	2.94
/268	G16+200S	160 - 170"	86.58	2.84
/269	G16+200S	170 - 180"	53.14	1.11
/270	G16+400S	0 - 10"	94.22	34.65
/271	G16+400S	10 - 20"	94.76	32.20
/272	G16+400S	20 - 30"	94.38	28.10
/273	G16+400S	30 - 40"	88.38	8.60
/274	G16+400S	40 - 50"	85.32	3.14

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
11.30	98.69	1.31	3.9
19.43	98.97	1.03	3.9
11.02	98.72	1.28	3.9
11.08	98.88	1.12	4.0
13.19	98.78	1.22	4.0
14.00	98.69	1.31	4.0
9.04	98.18	1.82	4.0
9.50	98.18	1.82	4.1
7.26	98.15	1.85	4.1
6.60	97.60	2.40	4.0
11.61	95.72	4.28	4.2
9.22	83.93	16.07	4.2
2.36	42.07	57.93	4.3
1.84	42.79	57.21	4.2
2.21	46.04	53.96	4.2
2.12	49.21	50.79	4.3
.83	12.41	87.59	4.6
26.00	96.09	3.91	4.0
24.90	97.13	2.87	4.0
21.15	97.84	2.16	3.9
6.45	92.96	7.04	3.9
2.35	92.90	7.10	4.1

Table 20
Cumberland County - Nova Scotia
Diligent River Bog, Total Samples - 25
Chemical and Physical Analyses

Lab. #	Sample #	Depth (in ins.)	Moisture (as received) %	Water-holding capacity (oven-dry basis)
P.M./1	BL-A	0 - 10"	95.24	28.15
/2	BL-A	10 - 20"	93.12	18.31
/3	BL-A	20 - 30"	92.98	11.97
/4	BL-A	30 - 40"	91.82	10.77
/5	BL-A	40 - 50"	93.10	20.85
/6	BL-A	50 - 60"	93.06	16.11
/7	BL-A	60 - 70"	92.16	11.72
/8	BL-A	70 - 80"	91.52	10.39
/9	BL-A	80 - 90"	90.46	12.79
/10	BL-A	90 - 100"	93.58	14.95
/11	BL-A	100 - 110"	92.52	13.90
/12	BL-A	110 - 120"	91.66	10.56
/13	BL-A	120 - 130"	88.02	8.53
/14	BL-A	130 - 140"	96.06	28.95
/15	BL-A	140 - 150"	94.42	21.85
/16	BL-A	150 - 160"	78.48	5.02
/17	BL-B	0 - 10"	94.94	24.50
/18	BL-B	10 - 20"	91.46	23.35
/19	BL-B	20 - 30"	92.44	19.04
/20	BL-B	30 - 40"	94.58	14.40
/21	BL-B	40 - 50"	93.28	23.50
/22	BL-B	50 - 60"	93.76	12.88
/23	BL-B	60 - 70"	93.70	13.97
/24	BL-B	70 - 80"	92.94	13.01
/25	BL-B	80 - 90"	84.32	4.84

Water-holding capacity (25% moisture basis)	Loss on Ignition %	Ash %	pH
21.15	98.10	1.90	3.8
13.71	99.16	.84	4.3
8.96	99.01	.99	4.4
8.06	99.81	.19	4.3
15.68	99.66	.34	4.2
12.10	99.43	.57	4.1
8.80	98.50	1.50	4.0
7.79	97.87	2.13	4.0
9.60	96.96	3.04	3.5
11.21	98.16	1.84	4.2
10.41	98.46	1.54	3.7
7.92	94.76	5.24	4.0
6.39	97.74	2.26	3.5
21.70	87.84	12.16	3.6
16.41	97.90	2.10	3.8
3.76	40.74	59.26	4.4
18.40	98.55	1.45	4.1
17.51	98.82	1.18	4.1
14.29	98.95	1.05	4.0
10.80	98.87	1.13	4.4
17.61	98.82	1.18	4.5
9.65	97.96	2.04	4.4
10.48	96.44	3.56	4.3
9.76	96.51	3.49	4.6
3.62	64.07	35.93	4.5